

63.01  
Canada  
1923



# Seeds for the Farm.

Seed Corn  
Seed Grain  
Clovers  
Timothy  
Pasture Grasses  
Forage Plants  
Mangels  
Turnips  
Vegetable Seeds

1 9 2 3

# KEITHS SEEDS

Satisfactory Since 1866





## KEITH'S GRASS SEEDS SHOW THEIR WORTH ON THE GREAT SUNNYSIDE BOULEVARD, TORONTO WATERFRONT

OUR Grass Seeds were used in making about ten acres of this fine turf during the season 1922.

In making their purchases The Toronto Harbor Commission themselves tested for germination seeds offered, and then bought accordingly.

Their first order was received by us on May 19th, and repeat orders on June 15th, July 7th, August 2nd and August 29th.

The wonderful success of the grass on this boulevard was due not only to their gardeners' great skill and knowledge, but also to the good seed used.

Geo. Keith & Sons are proud of the results produced by their quality Grass Seeds in this beautiful Boulevard.

### LAWN GRASS SEED

Sow from 100 to 300 lbs. to the acre. (1 acre equals about 200 ft. by 200 ft.) For Bowling Greens, Putting Greens and Tennis Courts, sow 1 lb. to 4 square yards.

Our output of Lawn Grasses during 1922 was double that of any previous year. Not a single well founded complaint reached us—a fine testimony to the quality of Keith's Seeds.

Good seed is naturally necessary to make a good lawn, but always remember that good seed requires good soil preparation, therefore prepare your soil as carefully as you would for a garden;

**Golf Clubs.** We know we can save you money and give you seed that will bring the desired results. All inquiries are taken up separately. Kindly write stating local conditions. We will gladly give our personal attention to all Golf Course problems.

**KEITH'S LAWN GRASS MIXTURE.** Is made of Kentucky Blue Grass, Canadian Blue Grass, Red Top, Cheewing Fescue, Perennial Rye Grass and White Clover Seed. This produces in four to six weeks a rich, velvety and permanent carpet. With proper care and careful attention the amateur can grow for himself a lawn fully equal to the best at a very small cost.

**SHADY NOOK LAWN GRASS SEED.** The best possible mixture for sowing under trees. It is very difficult to get grass to grow well in the shade and especially under trees. This is because the trees use up nearly all the food and moisture in the soil. To meet these conditions we have made up a mixture, which will thrive better than any other.

**KENTUCKY BLUE GRASS.** One of the best Grasses for Lawns and Golf Fair Greens. Will grow in a variety of soils. It forms a close compact turf which enables it to stand a large amount of tramping and close cutting without injury. It is rather slow at the start and to offset this we would recommend that Red Top and Perennial Rye, on account of quickness of growth, be mixed with Kentucky Blue, which produces an early and satisfactory growth of sod, and will be later almost entirely of Blue Grass, a condition much desired for this grass makes an ideal lawn.

**CANADIAN BLUE GRASS.** Very much like Kentucky Blue Grass, with a decided advantage that it does well on gravelly and stiff clay loams, and stands both extremes of weather, cold and hot.

**RED TOP.** A creeping bent Grass, is splendid for Lawns. One of the few Grasses commercially procurable that is suitable for good Putting Greens. Its success seems to depend more on the moisture content in the soil than on the quality of the soil.

**CHEEWING FESCUE.** A low-growing selection of Red Fescue. It makes excellent turf of fine texture, pleasing color and unusual durability. This Grass and Red Top are the only Grasses on the market that are suitable for Putting Greens and Bowling Greens.

**ENGLISH RYE GRASS.** Temporary Grass. Grows quickly, used in combination with other Grasses to get immediate effect.

### TORONTO HARBOR COMMISSION APPRECIATE VALUE OF KEITH'S SEEDS

*The Toronto Harbor Commissioners*

*R. H. Smith, Chairman  
W. L. Church  
R. J. Hawley  
John Linton  
R. J. Manning*

*Administration Building,  
St. Bay St.  
Phone 444-4444*

*S. L. Gossard,  
Chief Engineer & Manager  
J. B. Johnson,  
Secretary  
Edwin W. Balthasar,  
Auditor*

*Toronto, November 30th/22.*

*In reply please refer to  
Subject Grass Seed*

*Attention of Mr. H. R. Nicoll*

*Messrs George Keith & Sons,  
124 King Street East,  
Toronto, Ont.*

Dear Sirs:-

In reply to your two letters dated Nov. 16th/22 with reference to the seed supplied by your firm during this year, might say that this seed germinated well and was satisfactory in every way.

The approximate quantity used per acre was 350 lbs.

Yours truly,

*E. J. Manning*

*Chief Engineer and Manager*

### PRICES—Keith's High Grade Grasses

|                       | 1 lb. | 5 lbs. at 100 lbs. at |      |
|-----------------------|-------|-----------------------|------|
| Lawn Grass Mixture    | 40c.  | 35c.                  | 30c. |
| Shady Nook Grass      | 50    | 45                    | 40   |
| Putting Green Mixture | 70    | 65                    | 60   |
| Fair Green Mixture    | 45    | 40                    | 35   |
| Bowling Green Mixture | 70    | 6                     | 60   |
| Kentucky Blue Grass   | 50    | 45                    | 40   |
| Canadian Blue Grass   | 40    | 35                    | 30   |
| Red Top               | 50    | 45                    | 40   |
| Cheewing Fescue       | 80    | 75                    | 70   |
| English Rye Grass     | 25    | 20                    | 18   |
| White Clover Seed     | 85    | 80                    | 75   |

**GEO. KEITH & SONS**

**TORONTO**  
SEED MERCHANTS SINCE 1866

**124 King St. East**



## Flag Stations

Unless specially arranged for us to pay cost of freight, customers having their goods sent by freight to a Flag Station, must allow for payment of freight, otherwise shipments will be sent to nearest Station where an Agent is located.

**Don't write in this space**

SEED MERCHANTS SINCE 1866

|                           |       |
|---------------------------|-------|
| Market Gardener.....      | ..... |
| Mkt. Gard'r & Farmer..... | ..... |
| Farmer.....               | ..... |
| Amateur Gardener.....     | ..... |
| Florist.....              | ..... |
| Amateur Florist.....      | ..... |
| Fruit Grower.....         | ..... |
| Poultryman.....           | ..... |

| AMOUNT ENCLOSED                           | DOLLARS | CENTS |
|-------------------------------------------|---------|-------|
| Post Office Money Order                   | .....   | ..... |
| Postal Notes (How many).....              | .....   | ..... |
| Express Money Order.....                  | .....   | ..... |
| Bank Draft.....                           | .....   | ..... |
| Bank Cheque (Add 20c. for exchange).....  | .....   | ..... |
| Cash (Do not send unless Registered)..... | .....   | ..... |
| Stamps.....                               | .....   | ..... |
| Total amount sent.....                    | .....   | ..... |

Is there a freight agent at your Ry. Station?.....

Order No. R..... Forwarded by..... Date.....  
(State whether by Mail, Express or Freight)

**OBSERVE CAREFULLY WHETHER THE PRICES QUOTED INCLUDE POSTAGE OR NOT**

[illegible]

### FORWARD (Over)

**Do not omit to sign your NAME on order. Occasionally we receive money along with unsigned orders.**

# BE ECONOMICAL! Plant a Good Vegetable Garden







# KEITH'S CLOVERS AND TIMOTHY

COTTON BAGS 45c. EACH



We want to make the lowest possible price to you, so write in for the latest. State quantity required and we will quote, freight paid, to your nearest station. In most cases we can save you money. The bad weeds are getting to be everywhere and you are liable to get them where least expected. Do not buy any seed even from a neighbor's farm without strict examination.

## RED CLOVER

When you are in the market, please write for our lowest prices and samples.

"Sun" Brand, No. 1 Gov. Standard. Canadian grown. Selected for its high purity, being extra particular as to freedom from Sweet Clover. Present price, \$18.00 per bushel.

"Special" No. 1, Gov. Standard. Present price, \$17.00 per bushel.

"Moon" Brand, No. 2, Gov. Standard. Present price, \$16.00 per bushel.

"Comet" Brand, No. 3, Gov. Standard. Present price, \$15.00 per bushel.

"Sun" Brand Mammoth Clover, No. 1, Gov. Standard. Present price, \$19.00 per bushel.

"Moon" Brand Mammoth Clover, No. 2, Gov. Standard. Present price, \$18.00 per bushel.

"Comet" Brand Mammoth Clover, No. 3, Gov. Standard. Present price, \$16.00 per bushel.

## ALSYKE CLOVER SEED

When in the market, please write for lowest prices and samples.

This hardiest of all Clovers, which adapts itself to a great variety of soils, being perhaps the most used Clover on lands that are inclined to be low. Ontario has for years grown seed for the markets all over the world, and the time has come when growers will have to use every precaution to keep their fields clean and produce a product pure enough to meet the most exacting seed laws of any country.

Alsyke seems to be a crop that requires eternal vigilance to keep clean. Quantities of the 1922 Ontario crop are too weedy for any market we can locate. Very few growers realize that to have pure seed the seed has to be grown pure in the first place. The cleaning machines help in a very striking way, but all the cleaning machines in the world cannot remove all the weed seeds common to Alsyke.

Buy clean, pure seed. If you have a clean field get started right.

"Ocean" Brand, No. 1, Gov. Standard. Present price, \$9.50 per bushel.

"Sea" Brand, No. 2, Gov. Standard. Present price, \$8.50 per bushel.

"Lake" Brand, No. 3, Gov. Standard. Present price, \$7.00 per bushel.

## TIMOTHY

When ordering allow 45c. for 2½ bushels good cotton bags.

"Crescent A", Government Standard, No. 2. (Extra No. 1 for purity). Present price, \$5.75 per bushel.

In purchasing Timothy seed we would strongly advise our customers to buy this grade. From our experience in examining samples of seed offered we can say quite definitely that this seed shows a purity that is rarely equalled. We know it is clean enough for any farm. You can not get better value. Think what Extra No. 1 for purity means—no noxious weeds and practically free from harmless weed seeds. It is not graded No. 1, because it contains a few more hulled seeds than is allowed by the government No. 1 Grade. Gov. No. 1 allows up to 25% hulled seeds, and No. 2 allows from 25% to 60% hulled seeds. Ask for sample and see for yourselves.

"Crescent B", No. 2, Government Standard (No. 1 for purity). Present price, \$5.25 per bushel. This grade is what is mostly offered throughout the Ontario and Quebec trade. It is good, useful seed, but the purity grade allows up to 5 noxious weeds, and 100 harmless weed seeds per ounce, and therefore is not so desirable as "Crescent A."

"Circle" Brand. Gov. Standard No. 3. Present price, \$4.50 per bushel.

"Diamond" Brand. Government Standard No. 1. A very high grade of seed, running equal in purity to our Crescent A, but showing a few less hulled seed. Present price, \$7.00 per bushel.

## ALSYKE AND TIMOTHY MIXED

Something pure, useful and reasonable

No. 1, Gov. Standard (No. 1 purity), 67% Alsyke; 33% Timothy. Present price, \$12.00 for 100 lbs.

No. 2, Gov. Standard, 50% Alsyke; 50% Timothy. Present price, \$10.00 per 100 lbs.

No. 1 Gov. Standard, 20% Red Clover; 60% Alsyke; 20% Timothy. Present price, \$15.50 for 100 lbs.



# SWEET CLOVER

COTTON BAGS

45c. each

Sweet Clover costs less than half the price of Red Clover and can be used in many places, this year, with considerable saving in money.

Write Ontario Department of Agriculture for Bulletin 283, and Circular No. 41, on Sweet Clover. These bulletins contain information worth while.



Who says we don't like Sweet Clover?

Some points to consider in regard to this crop.  
Sow scarified seed.  
Sow 15 to 20 lbs. per acre.

## PASTURE

It early, turn stock on when plants are not more than 6 inches high. It will grow too rank to make the best pasture if not grazed early. It will out yield twice any pasture crop you can raise. Access to permanent pasture or grass pasture is a benefit.

## THE GREAT SOIL RENEWER

For this alone it is worthy of wide recognition. It adds definite food substances to the soil. It improves the physical condition of the soil, especially abnormal soils such as heavy clays and sandy types of soil. In a test at Kemptville Agricultural College, 1921, a crop was taken off in June for ensilage and pastured till late in the fall then the test made of the residue of leaves and stems and also of the roots to a depth of 9 inches.

|                    | Weight<br>per acre | Nitrogen<br>per acre | Phosphoric acid<br>per acre | Potash |
|--------------------|--------------------|----------------------|-----------------------------|--------|
| Leaves and stems.. | 1,153              | 15.8                 | 2.8                         | 1.6    |
| Roots.....         | 2,708              | 23.8                 | 4.1                         | 5.1    |
| Total.....         | 3,861              | 39.6                 | 6.9                         | 6.7    |

The residue supplies about the same quantity of nitrogen as 3½ tons barnyard manure, as much Phosphoric acid as 1 ton barnyard manure, and as much Potash as 1½ tons barnyard manure.

It is estimated that had the whole crop been turned under as a green manure, about 230 lbs. of nitrogen would have been returned to the soil.

Sweet Clover being a biennial in nature, naturally dies late in the summer of its second year of growth, and is easily plowed under and readily releases its plant food for the following crop.

Clover is the key crop in rotation. Theoretically, of course, it is possible to substitute some other leguminous crop for clover, but clover fits so well in agricultural practice that it is preferable. It is the only leguminous crop having any large degree of influence upon keeping up the productivity of the soil. Think what sweet clover will do for your soil, to say nothing of the feeding value of the crop. The seed is cheap. The catch is sure.

## HAY CROP

Sow at least 20 lbs. per acre to ensure heavy stand. Cut sufficiently early with binder to prevent too large a fibre content and loss of leaf. If conditions are suitable, the second cutting makes the best hay.

Sweet Clover hay is only harmful to animals when damaged by mould or bacteria.

## ENSILAGE

Cut when largest tonnage may be secured, with the least chance of having too much fibre cut with binder—cut high. Small bundles handle easier both in loading and at the silo. As sweet clover is ensiled early in the summer, it is particularly important that it be well tramped in the silo and that the silo itself be in good condition and air tight, otherwise during the hot summer months, excessive heating may occur, resulting in the loss of food value and development of mould which might have a disastrous effect when fed. If care is taken in

tramping it well, a good quantity of palatable silage is provided at low cost, and at a time when other work is not pressing. Sweet clover should be ensiled when it contains a large percentage of moisture to ensure freedom from moulds.

Weather conditions are less likely to effect safe harvesting of Sweet Clover for ensilage. It is a safer crop than Sweet Clover hay.

| Food Value of Sweet Clover Silage | Corn Silage |
|-----------------------------------|-------------|
| Water.....                        | 75.08       |
| Crude Protein....                 | 4.74        |
| Crude Fat.....                    | .54         |
| Carbohydrates....                 | 10.74       |
| Fibre.....                        | 6.7         |
| Ash.....                          | 2.2         |
|                                   | 100.00      |
|                                   | 100.00      |

Cost of Production—It is safe to assume that sweet clover will continue to be produced at a lower cost than corn or any other silage crop requiring heavy manuring and horse and man labour.

## SCARIFYING

Sweet Clover requires scarifying. This is necessary to scratch the outer, hard shell to enable even germination. We charge \$1.00 per bushel extra for scarifying the seed.

We want to make the lowest possible price to you, so write in for the latest. Ask for samples and see for yourselves. State quantity wanted and we will quote lowest prices delivered at your station.

## PRESENT PRICES

|                                                  |                  |
|--------------------------------------------------|------------------|
| White Blossom Sweet Clover, No. 1 Gov. Standard  | \$6.75 per bush. |
| " " " " No. 2 " "                                | 6.00 " "         |
| " " " " No. 3 " "                                | 5.50 " "         |
| Yellow Blossom Sweet Clover, No. 1 Gov. Standard | \$6.75 per bush. |
| " " " " No. 2 " "                                | 6.00 " "         |
| " " " " No. 3 " "                                | 5.50 " "         |

## HUBAM ANNUAL WHITE BLOSSOM SWEET CLOVER

Write for prices. Present price, 30c. lb.

## WILD RICE (Zizania Aquatica)

As an attraction for Wild Ducks, Wild Rice is unequalled. For this reason, it is in great demand for sowing in lakes, slow moving streams and ponds by gun clubs and owners of duck preserves. It grows in from 6 inches to five feet of water with a mud bottom and prefers water that is not entirely stagnant. Our arrangements are such that, as soon as the seed is gathered, it is put away in wet cold storage where it remains until sent out on order. If allowed to dry, it would lose its germinative powers. Seed may be sown in late fall or early spring. In either case it does not commence to grow till spring. Full cultural directions accompany each shipment. Price, \$20.00 per bushel; \$6.00 per peck; \$3.00 per half peck, f.o.b. shipping point; \$1.00 per quart postage paid. We guarantee shipments of Wild Rice Seed to reach any part of Canada or U.S. in perfect condition.

## WILD CELERY, Bulbs

\$20.00 per 1000; \$2.50 per 100; f.o.b. shipping point. Cannot be sent by mail.



# ALFALFA

WHEN ORDERING ALLOW 40c. FOR 2½ BUSHEL GOOD COTTON BAGS  
ADD \$1.00 PER BUSHEL TO PRICES QUOTED, FOR SCARIFIED SEED

We want to quote the lowest possible price to you so write in for the latest.

The Canadian Farmer to be successful with Alfalfa has to follow the best methods of cultivation and secure seed that will produce plants hardy enough to withstand our winters. This statement is short and to the point, but if not followed it means failure.

We do not offer any Alfalfa seed other than the Grimm and known hardy strains of Canadian Grown Seed. This season we have bought only Alfalfa Seed that was produced in Canada. We offer the best seed obtainable and in doing so believe we are extending to our customers that which they expect of us, reliability and service.

ALFALFA in Canada is no longer an experiment. One grower living 65 miles north of Edmonton has raised it for over 9 years and in many parts of the prairie provinces it is being raised successfully. In Ontario and Quebec the acreage grows rapidly each year and there are very few districts where it can not be raised successfully. If you are not familiar with the crop and if you are satisfied with its value we would advise, 1st, talk it over with a man who has raised it successfully; 2nd, buy only seed that is known definitely to be the progeny of a hardy strain that has raised good successive crops in this country; 3rd, inoculate the seed with Alfalfa Legume bacteria. We sell this put up in bottles direct from the Laboratory, containing sufficient for 60 lbs. of seed. No harm will result if it is all used on a less quantity. Price, \$1.00 per bush. bottle. 4th, It is also preferable to buy scarified seed. This process scratches the outer hard shell, thus enabling the seed to germinate evenly.

**GRIMM ALFALFA. LYMAN'S STRAIN.** We think this strain is the hardiest of all Alfalfa. We started selling it in 1914, after having searched the country over at that time for a strain that would do well in spite of our climatic conditions. We found at O.A.C., Guelph, and McDonald College, this strain along with another strain of Ontario Variegated, had been tried out for several years in test plots, and these test plots proved conclusively that these strains were satisfactory in every way. Along with these tests were plots of seed from all over the States and Ontario that had the first year produced a perfect stand and then had each year gone back rapidly until in some plots there were only one or two plants surviving at the end of the third year. Conditions to-day are the same as they were in 1914. Therefore, when planting Alfalfa, plant Lyman's Grimm strain or a definitely known strain of Ontario Variegated. There is no doubt in our minds that these strains are the only strains for the Ontario and Quebec farmers to sow. With the preference for Lyman's Grimm.

Beware of seed offered as "Northern Grown" as this expression may be used with a degree of truth even regarding seed obtained just north of Mexico. To sow such, government experts will tell you, is throwing your money away.

**LYMAN'S GRIMM, No. 1, Government Standard at \$20.00 per bushel.**

**ONTARIO VARIEGATED ALFALFA, No. 1 Gov't Standard.** Inspected and sealed by the Dominion Government Inspector. The grower of this seed has given the Government officials an affidavit to the effect that this seed, the crop of 1922, has been obtained from a field that has produced Alfalfa continuously for 7 years or more, and that he has been growing this strain only, for over 20 years on his own farm. Present price, \$20.00 per bushel.

Regarding the above strain we are confident that it is the best to be got. To make doubly sure we wrote to several people who have tried it out and here are their remarks:

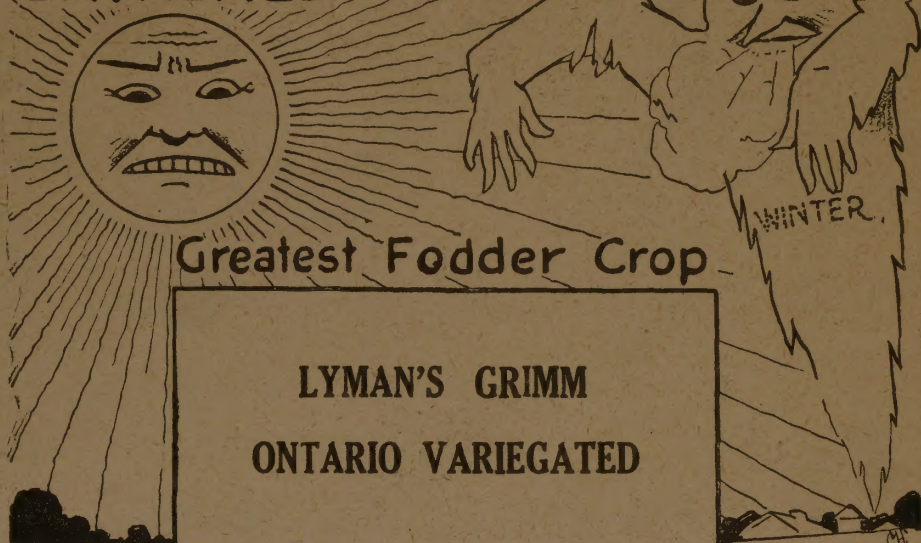
Dear Sirs:

I have used this strain this past three years and as yet have had no failure in getting a good stand. Would say that what I sowed three years ago is getting better every year, so am satisfied it is a good, hardy strain. It is the only Alfalfa seed I have ever had any success with.

Yours very truly,  
W. Witelaw,  
Guelph.

# ALFALFA

## RESISTS WEATHER EXTREMES



### Greatest Fodder Crop

**LYMAN'S GRIMM**  
**ONTARIO VARIEGATED**



Dear Sirs:

Yours to hand and noted. I think it is four years ago I bought one bushel the strain of Alfalfa seed referred to, which proved entirely satisfactory. Have had three crops, and the last was the best. It germinated well and seems very hardy.

Yours truly,  
Geo. Telfer, Paris, Ont.

Dear Sirs:

Your letter of December 23rd has been received and in reply I will state that the Alfalfa seed referred to was purchased in 1919. I seeded down with oats. In all I had fourteen acres. For three years it was cut and the yield was heavy each time with a second cutting and then pastured. This fall it looked fine, and I consider it a very hardy variety. I have tried other varieties got for "Northern grown" and the catch was good, but the first winter killed it out. My land is high and part of it exposed to the north winds, but the crop I have is excellent. I am certainly well pleased with it, and it is good feed for all stock, especially sheep.

Yours truly,  
E. Barbour & Sons, Hillsburg, Ont.

Dear Sirs:

In reply to yours. I have purchased seed referred to and it has proved a good, hardy strain with me.

Yours truly,  
A. Ayre, Hampton, Ont.

**ONTARIO VARIEGATED ALFALFA.** Selected from fields that we know to be hardy. Government Standard No. 1. Present price, \$18.00 per bushel; Government Standard No. 2, present price, \$16.00 per bushel.

**ONTARIO GROWN ALFALFA.** Government Standard No. 1, present price, \$16.00 per bushel; Government Standard No. 2, present price, \$15.00 per bushel.





# SEED CORN

## WHY KEITH'S SEED CORN YIELDS BETTER

Some factors which reduce the yields in the average corn field are poor stands, barren stalks, diseases and small ears. These factors pertain to the seed and are aside from the soil and growing conditions.

### THE EUROPEAN CORN BORER HAS MADE IT NECESSARY TO SELL SEED CORN SHELLED

Shelled corn is a tricky thing to handle at the best of times. In the springtime it wants to grow in the worst way. Thus causing heating—or going wrong—just at the time when required for seeding purposes. "Heated" corn, as you know, is of no value for seed. To be able to fill our orders with shelled Corn that would keep right and grow right, we found, like the people in the Corn belt of the United States, that it was essential to reduce the moisture content to 14 per cent., and we therefore installed a modern plant. Into this plant the Corn cobs travel on an endless belt, where the selection as to type, variety, etc., is made. Then the Corn is shelled, graded, and run slowly through a machine where strong currents of dry summer air remove the excessive moisture. The dryest and best looking Ontario Corn when tested in time for seeding shows in the average seeding a moisture content of 18 to 25 per cent. of moisture, even after harvesting and storing in the most improved methods. To shell such Corn and ship it puts it on the level in risk with perishable fruit. Heating and loss of vitality is almost sure to set in. We cannot take such a risk. No more can you. Last season our new method of treating our Seed Corn proved entirely successful. We did not receive a single complaint.

We sell more Seed Corn each year, and have less kick on it. It is sold subject to your own test and approval and is grown right here in Ontario (except Mammoth Southern Sweet and Red Cob).

### GOOD STANDS

Poor stands are largely due to dead or weak kernels. Germination tests tell all about the dead kernels and these can be avoided easily, but the germination tests do not tell the number of seeds which are too weak to make sturdy plants in the cool soil of early Spring. A large proportion of seed corn contains many such weak kernels. Go into the average corn field and note the number of missing and one-stalk hills. To produce seed corn with 97 to 100 per cent. strong kernels, requires knowledge of curing Seed Corn which comes only from experience and careful study. Keiths have given the problem careful study for a number of years and have had experience in handling thousands of bushels of Seed Corn during that time. Application of this knowledge is what makes Keith's Seed Corn produce uniform, strong plants even under cool, wet and other adverse conditions.

### FREE FROM DISEASES

Corn diseases are much more prevalent than the average man knows. Some diseases cause the new plant to die soon after the plant comes up. Others cause barren stalks. Selected, disease free—well-bred strains are the reasons Keith's Seed Corn produces the kind of crop you want.

### WHAT IS GOOD SEED CORN

To be first class seed corn it should be of a standard variety of superior quality in yield, of early and sound maturity, corn that has demonstrated its ability to out-yield other strains of the same variety. It must show a high percentage of germination, thus insuring an even and perfect stand. It can only be secured from practical men who possess knowledge and experience in the growing, breeding and judging, as well as the preparation of seed corn in all its details.

Mother earth may offer her choicest fields, the sun may lavish his brightest rays, the gentle showers may float down on the balmy winds of spring to nourish the infant plant—yet, if this child of God has been touched by the blighting breath of decay, or is the offspring of perverted parentage, all the kindly care of loving nature, aided by the hand of man, but emphasizes the more strongly that "whatsoever a man soweth, that shall he also reap."

Now is the time to select your seed corn, get it home, test it out in your house and insure yourself that it will grow readily and grow strong, sturdy plants. If it is not so, return it. We want to give you entire satisfaction.



WE SUPPLY YOU WITH

# SEED CORN

OF  
Highest Quality

THAT HAS ALL BEEN  
**TESTED**  
FOR  
**GERMINATION**

Our tests show 85%  
or better with abundance of vigor.

**FARMERS' CLUBS**  
and those wanting  
large quantities write  
for special prices.

STATE QUANTITY REQUIRED

**WE CAN SAVE  
YOU MONEY**



Photo of Wisconsin No. 7 Tested in Our Germinator

## PRICES OF DENT CORN

Present prices all varieties Ontario Grown  
**DENT CORN** (Bags free)

| 10 bushels<br>per bushel                                                                                                                                                       | 5 bushels<br>per bushel | 1 bushel | ½ bushel | peck |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|----------|------|
| \$1.50                                                                                                                                                                         | \$1.60                  | \$1.75   | \$1.00   | 60c. |
| White Cap Yellow Dent. Medium early to medium late, according strain, grown for grain in Southern Ontario and for fodder and silage in Central and Northern Ontario.           |                         |          |          |      |
| Golden Glow or Wisconsin No. 12. A Yellow Dent Corn that in trials of the Ontario Experimental Union show it to be one of the best.                                            |                         |          |          |      |
| Wisconsin No. 7. Medium in earliness, usually matures in the extreme southerly parts of Ontario, suitable for silo in warmer parts of the province.                            |                         |          |          |      |
| Early Bailey. A fine Yellow Dent Corn. Matures about the same time as Wisconsin No. 7. If you have used Improved Leaming before, think you will find Early Bailey much better. |                         |          |          |      |
| Improved Leaming. A variety well known to all ensilage growers. It has filled many a silo in Ontario and Quebec and done it well.                                              |                         |          |          |      |
| Red Cob. Seed grown in U.S.A. A prolific growing white Corn, with a red cob. Price, per bushel, \$1.60. Bags free.                                                             |                         |          |          |      |
| Mammoth Southern Sweet. Seed grown in U.S.A. Similar to Red Cob. Price, per bushel, \$1.60. Bags free.                                                                         |                         |          |          |      |

## PRICES OF FLINT CORN

Present prices all varieties Ontario Grown  
**FLINT CORN** (Bags free)

| 10 bushels<br>per bushel                                                                                                                                           | 5 bushels<br>per bushel | 1 bushel | ½ bushel | peck |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|----------|------|
| \$1.80                                                                                                                                                             | \$1.90                  | \$2.00   | \$1.25   | 75c. |
| Salzer's North Dakota. Medium early, a heavy yielder of stalks, white eight-rowed ears. Crop suitable for husking or for the silo in Central Ontario.              |                         |          |          |      |
| Compton's Early. Early, medium yield of stalks, yellow twelve-rowed ears, good yielder of grain. Suitable for silage in more northerly districts of older Ontario. |                         |          |          |      |
| Longfellow. An eight-rowed yellow Flint. Makes a good husking Corn in Southern Ontario and a good silo Corn in Central and Northern Ontario.                       |                         |          |          |      |

**SUNFLOWER.** This crop for fodder and ensilage is attracting more attention each year. It is a very hardy crop—failure is rare. This hardiness makes ensilage a sure crop in the colder districts of Canada where Corn is a risky crop. There is a hope that this crop will be a feature in controlling the European Corn Borer. We have a fine stock of healthy high germinating seed. Price, per lb., 20c. 25 lbs. or over, at 13c, per lb.

**PUMPKIN SEED.** This crop is usually grown as a companion crop for Corn. Plant in hills every fourth row of Corn, hills 10 feet apart. A great help to the dairy farm. Price, oz., 15c; 50c per lb.



### CORN PLANTER, EUREKA AUTOMATIC.

This is the cheapest and best Corn Planter made. As a labor saver in Corn planting it stands unrivalled. The working parts are simple and durable. It has been used for a number of years and has given the best possible satisfaction. Each, \$2.00.

**IMPROVED CORN SHELLER.** We think there is no better small machine made. Regulating thumb screw enables machine to be set for large or small cobs. Guarded wheel prevents scattering. Weight, 20 lbs. Price, \$2.50.





# GRASSES

See also  
Inside Front Cover

We offer seed of high germination and purity

**Orchard Grass.**—A hardy perennial used for hay when sown alone but more suitable in a pasture mixture, starting growth early in the spring and continuing until late autumn. It grows quickly after being cut or pastured. It will succeed on soils with a lesser moisture supply than is required for Timothy. It is one of the best grasses in withstanding drought, and may be sown successfully either in the autumn or spring with cereal grains. From 25 to 30 lbs. is sown per acre when this grass is not seeded in combination with clovers and other grasses. Sow broadcast. Present price, 25c. per lb; 10 lbs. or more at 20c. per lb.

**Meadow Fescue.**—A hardy perennial of good quality for hay or pasture, particularly suitable for use in pasture mixture. It does best on rich, moist soils or sandy soils, where there is a sufficient supply of moisture available. Because of its drought resisting qualities its ability to stand tramping and the large amount of pasture produced in summer and autumn, Ontario pasture mixtures usually include this grass. Present price, 25c. per lb; 10 lbs. or more at 20c. per lb.

**Tall Oat.**—A good hay and pasture grass and gives its best returns when sown in mixture. In its resistance to drought Tall Oat is the equal if not the superior to Orchard Grass. It will stand tramping. Adapted to light sandy or gravelly well-drained soil. Grows poorly in shade. Present price, 40c. per lb; 10 lbs. or over at 35c. per lb.

**Red Top.**—A perennial particularly suitable for hay and pasture on low damp land. Pasture mixtures both temporary and permanent when sown on low wet lands should always include Red Top as one of the grasses sown. Sow 8 to 12 lbs. per acre alone; 2 to 3 lbs. in pasture mixture; 4 to 5 lbs. in hay mixture. Present price, 40c. per lb; 10 lbs. or over at 35c. per lb.

**Canadian Blue Grass.**—Grows naturally in dry, sunny places. It often occurs in poor, gravelly soil, where other plants find it difficult to get a foot hold. A stiff rather unproductive clay loam is the soil in which it is preferably grown, because it will do well under such conditions where other plants might fail. On rich limestone soil it cannot compete with Kentucky Blue Grass. On the other hand it will do much better than Kentucky on poor clays. For Lawn Grass Seed see inside front cover. Price, per lb, 30c; 10 lbs. or over at 25c. per lb.

**Kentucky Blue Grass.**—Grown for hay, pasture and to make sod. It produces a small amount of hay of good quality. This high quality is equalled by few grasses. As a pasture grass it ranks high, starts growth early in the spring, forms a close compact turf which enables it to stand a large amount of tramping and close grazing without injury. For hay or pasture sow 20 to 30 lbs. per acre. For lawns sow 75 to 100 lbs. per acre. Present price, 45c. per lb; 10 lbs. or over at 40c. per lb.

**Perennial Rye Grass.**—On account of the rapidity with which it becomes established it is used in temporary pastures, permanent pastures and in lawns. In permanent pastures it provides pasture during the period when the other and more valuable grasses are becoming established. It stands tramping and close cutting without injury. Present price, 30c. per lb; 10 lbs. or over at 20c. per lb.

**Awnless Brome Grass (Bromus Inermis).**—It does not require a heavy good soil, but thrives where the more valuable grasses would make a poor stand. It is generally used where moisture is rather scarce. It resists drought and extreme cold. When established it is persistent and thorough cultivation is required to suppress it. Sow 10 to 12 lbs. per acre. More seed will give a better crop the first year, but less afterwards. It is generally advisable to sow without a nurse crop. Grows slowly first year. Present price, 30c. per lb; 10 lbs. or more at 25c. per lb.

## PASTURE MIXTURES

As recommended by Prof. C. A. Zavitz of Ontario Agricultural College, Guelph. Annual Crop for Pasture, see page 4.

**Pasture Crop for two or more years.**—No. 1 mixture, Common Red, 8 lbs, Timothy 4 lbs. No. 2 Common Red 6 lbs, Timothy 4 lbs., Alsike 2 lbs. No. 3, Common Red 6 lbs, Timothy 4 lbs, Alsike 3 lbs, Orchard Grass 3 lbs, Meadow Fescue 3 lbs. No. 4, Alfalfa 4 lbs, Timothy 4 lbs, White Clover 1 lb, Orchard Grass 8 lbs, Meadow Fescue 8 lbs.

Each of the first two mixtures would be suitable for 2 years. No. 3 for a longer period and the fourth mixture would be even suitable in some instances as a permanent pasture. A nurse crop of Grain may be used satisfactorily with any one of the foregoing mixtures. The seed in all cases should be sown in front of the tube drill. The Clover and Timothy can be sown from the grass seed box, and the Orchard grass and Meadow Fescue by hand. The crop could be used for hay in the following year, and for either hay or pasture afterwards.

## MIXTURES FOR PERMANENT PASTURES

Land which is not required in the regular rotation of the farm can often be seeded with a permanent pasture mixture to excellent advantage. The following mixture is recommended by Prof. Zavitz for a permanent pasture under average conditions in soil, drainage and climate of Ontario.

Alfalfa 5 lbs, Alsike 2 lbs, White Clover 2 lbs, Orchard Grass 4 lbs, Meadow Fescue 4 lbs, Tall Oat Grass 3 lbs, Meadow Foxtail 2 lbs, Timothy 2 lbs, making a total of 24 lbs.  
Sow early in the spring, either with or without a grain crop.

## PASTURE MIXTURE FOR LOW, WET LAND

The following mixture for low, wet land has been recommended:

4 lbs. Red Top Grass, 2 lbs. Alsike Clover, 4 lbs. Orchard Grass, 2 lbs. White Clover, 2 lbs. Timothy, 2 lbs. Kentucky Blue Grass.

## FORAGE PLANTS

These Forage plants help in a large way to make the farm pay better.

**Dwarf Essex Rape.**—This plant resembles the Swede Turnip in its leaf.

It is the leaf and the stem which furnish the valuable portion for feeding to live stock. Rape makes an excellent late Summer and Autumn crop for feeding cattle, hogs, sheep and lambs. The latter have always done exceptionally well. Their health has been good, and their increase in live weight has been rapid. The usual seeding is 5 to 6 lbs. to the acre. Price per lb, 20c; 25 lbs. or more, 13c. per lb.

**Rape for eradication of weeds.**—That good cultivation followed by Rape sown in drills about 26 inches apart (1½ lbs. to the acre) provide a means of eradicating both perennial Sow Thistle and Twitch Grass.

**Thousand Headed Kale.**—At O.A.C., Guelph, trials in the past 16 years gave an average yield of 19.82 tons of green fodder per acre, or 2 tons more than Dwarf Essex Rape. The feeding qualities are the same as Rape. Sow 2 lbs. per acre in drills from June 15th to July 30th. Price, 50c. per lb.

**Sorghum or Early Amber Sugar Cane.**—The best results may be expected from rich, sandy loam soils. As a rule the Sorghums thrive well in comparatively dry seasons. Sow in rows 2 to 3 feet apart and cultivate in much the same way as corn. Use 10 to 12 lbs. per acre. Broadcast 75 lbs. per acre. Price, 15c. per lb; 25 lbs. or more at 10c. per lb.

**Hairy Vetch or Sand or Winter Vetch.**—Used for the production of green fodder and of hay, and as a cover crop in orchards. The Vetches are leguminous crops and furnish feed which is rich in nutritive constituents. Hairy Vetch is also planted with Winter Rye. Sow 50 to 60 lbs. with bushel Rye, Oats, or Barley per acre. Price, 25c. per lb; 25 lbs. or more at 20c. per lb.

**Common Spring Vetch or Black Tares.**—As fodder for dairy cows it is very valuable. Sow as early as possible for the first fodder. In drills sow 1 bushel per acre. Broadcast 1½ bushels per acre. Price, 15c. per lb; 25 lbs. or more at 7½c. per lb.

**Sunflower for Fodder.**—This crop is attracting considerable attention, especially in the northern districts. It is a hardy crop and failure is very rare. Plant in the same way as corn. Price, 15c. per lb; 25 lbs. or more at 11c. per lb.

## MILLETS FOR FODDER and HAY

Sow 1 peck to the acre for seed production. Time for seeding of Millets, June 1 to Aug. 1. Best time, June 1 to June 15.

**Japanese Barnyard** for production of green fodder. As a rule about 25 lbs. of seed are used per acre on land which has been carefully cultivated, and in a moist condition to ensure quick germination. Best results are obtained if seeding is made before July. Present price, 10c. per lb; 25 lbs. or more at 7c. per lb.

**Hungarian.**—The O.A.C., Guelph, advise that for early seedings of Millet, Japanese Barnyard is usually the most suitable, but for late seeding the Hungarian, which requires a shorter season of growth is frequently the best variety to use. Sow ½ to 1 bushel per acre for Fodder or Hay. Present price, 10c. per lb; 25 lbs. or more at 5c. per lb.

**Siberian.**—Gets a very good position in the five year tests at the O.A.C., Guelph. It gives a high yield of seed per acre and is about equal to most commercial varieties for hay and fodder. Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 6½c. per lb.

**Golden Millet.**—Grown in Southwestern States and claimed to produce a much heavier yield of fodder and hay than local grown seed. Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 7c. per lb.

**Common Millet.**—Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 6c. per lb.



# SEED GRAIN

Formalin (for smut)—1 Pint 75c, 1 quart \$1.10. 1 pint to 42 gallons water sufficient for 10 to 20 bushels.

## SEED OATS

No doubt your most important grain crop is your Oat crop. Now is the time to get your seed ready.

If you have a clean pure seed and a variety that yields you a crop of over 60 bushels per acre, then there is no necessity to go further than your own granary; but on the other hand, if you are not satisfied with your own seed, its freedom from weeds, its trueness as to variety, and its yielding qualities, then we think we can help you.

Our supplies are drawn from clean farms.

The mill, with its riddle and wind, will improve grain 50%, but no machine made can make impure seed pure. The grain has to be grown free from weeds in the first place.

The prices we ask are reasonable

As it is impossible for you all to call and see our stock, we will be very glad to send you samples of identical lots of the varieties you want, and quote prices delivered at your nearest railway station.

Order enough for a field.

The average number of days from the time the seed is sown until the crop is ready to harvest, for a 12-year period is as follows, according to O.A.C. report: O.A.C. No. 3, 102; Banner, 111; O.A.C. No. 72, 111.

O.A.C. No. 72. Late, vigorous grower, good straw, spreading head, white grain with pinkish coloration, comparatively thin hull, high yielder of grain. Registered seed grown under the regulations of the Canadian Seed Growers Association. Present price, \$1.25 per bushel. Bags free.

O.A.C. No. 72. Grown from registered seed. Pure and clean. Present price, \$1.10 per bushel. Bags free.  
Good clean stock. Present price, 1.00 per bushel. Bags free.

American Banner. Late, good straw, spreading head, white grain, medium hull. Registered seed grown under the regulations of the Canadian Seed Growers Association. Put up in 3 bushel sealed bags at \$1.25 per bushel, bags free.

American Banner. Grown from registered seed. Pure and clean. This is the finest Oat we have ever handled. Go where you will, you will find no better. Grown on new land. No. 1 Govmt. Std. Present price, \$1.00 per bushel. Bags free. Ask for sample. State quantity wanted and we will quote delivered at your nearest station.

O.A.C. No. 3. Earliest variety. Used extensively for mixing with O.A.C. No. 21 Barley, as it ripens at the same time. Has thin hull. It is a small looking Oat, but nevertheless it weighs well and is very valuable in a great many districts of Ontario. Present price, \$1.10 per bushel, bags free.

Liberty Hullless Oat. Farmers are beginning to realize how valuable this variety will be for feeding to chickens and young pigs. It gives at a very low cost a highly concentrated material superior in nutritive value to shorts and bran. Strength and length of straw and time of maturing about the same as O.A.C. No. 72. A plot of an acre or so grown near the barn will come in awfully handy. Present price, \$2.00 per bushel of 34 lbs. Bags free.

## BARLEY

Barley is the highest in production of digestible food constituents of all the small grains grown in Ontario. Sow  $1\frac{1}{4}$  to  $1\frac{3}{4}$  bushels per acre.

O.A.C. No. 21.—Registered seed grown under regulations of the Canadian Seed Growers Association. Put up in 2 bushel bags. (We do not care to break the bags.) Present price, \$1.50 per bushel. Bags free.

O.A.C. No. 21.—Early stiff straw, six rowed head, grain bluish under the hull, good quality, heavy yielder. Present price, \$1.25 per bushel. Bags free.

Black Hullless Barley.—Bearded, straw about 10 inches shorter than, and matures a few days earlier than O.A.C. No. 21. Present price, \$2.00 per 60 lbs., bags free.

Guy Mayle Black Hullless.—Similar to above. Present price, \$2.25 per 60 lbs., bags free.

## SPRING RYE

Sow  $1\frac{1}{2}$  bushels per acre

O.A.C. No. 61.—Good straw, medium height. The highest yielder of all the varieties of Spring Rye. Present price, \$2.25 per bushel.

Common Spring Rye.—Present price, \$1.75 per bushel.

## FIELD PEAS

Alaska.—Blue, smooth, round early Pea. Straw good about 3 ft. This Pea in the Dominion Cerealists Interim report for 1921 came fourth, with a yield of 40 bushels to the acre. Only one yellow Pea did better. Sow  $1\frac{1}{2}$  to  $1\frac{3}{4}$  bushels to the acre. Present price, \$6.00 per bushel, bags free.

Arthur.—Sow  $2\frac{1}{2}$  to 3 bushels per acre. A white pea, medium size, medium late, white blossom, large yielder, length of vine about 3 feet. Days to mature about 110. Is probably the best variety of Field Pea for Ontario now available in a commercial way. Dominion Government urge farmers to use this variety. Present price, No. 1 sample, \$2.50 per bushel, bags free. No. 2 sample, \$2.25 per bushel, bags free.

Canadian Beauty.—Sow 3 to 4 bushels per acre. Large, white pea. Length of vine about 4 feet. Days to mature about 113. Present price, No. 1 sample, \$2.50 per bushel, bags free. No. 2 sample, \$2.25 per bushel, bags free.

Golden Vine.—Sow  $1\frac{1}{2}$  to  $1\frac{3}{4}$  bushels per acre. Small, white pea. Length of vine about 4 feet. Days to mature, 115. Particularly suitable for mixing with oats in the production of green fodder or of hay from which satisfactory results have been obtained by using a mixture of 1 bushel of peas and 2 bushels of oats or a total of 3 bushels per acre. Present prices, No. 1 sample, \$2.50 per bushel, bags free. No. 2 sample, \$2.25 per bushel, bags free.

## FIELD BEANS

Pearce's Improved Tree.—The strain we offer of this variety was originally secured from O.A.C., Guelph, and then a selection of the earlier plants were made. The crop was harvested in plenty of time for the ground to be prepared and put into fall wheat. Beautiful sample. Present price, \$6.00 per bushel. Bags free.

Small Pea Bean.—Present price, No. 1 sample, \$4.25 per bushel, bags free.

## BUCKWHEAT

This crop is an important one in Ontario. This is due to several causes. The lateness the crop can be sown, and give good returns, the value it has as a good smotherer, for soiling purposes and the comparatively good yields of grain often obtained from poor land. Sow 3 to 5 pecks for grain production. 2 bushels if for smothering weeds.

Rye Buckwheat or Rough Buckwheat.—Early, medium yield of straw, grain with rough thick hull, very heavy yielder. In 13 years tests at O.A.C., Guelph, its average yield was 30.3 bushels per acre or 9 bushels more than any other variety. Present price, \$2.00 per bushel. Bags free.

Silverhull.—Medium early, heavy yield of straw, grain with smooth hull, fair yielder. Present price, \$1.25 per bushel. Bags free.

## SPRING WHEAT

Marquis.—Early, good straw, beardless head, white chaff, red grain, excellent quality for bread production, good yielder. Present price, No. 1 sample, \$2.00 per bushel, bags free. No. 2 sample, \$1.75 per bushel, bags free.

Wild Goose.—Fairly early, tall straw of medium strength, compact bearded head, hard grain, high yielder. Present price, No. 1 sample, \$2.00 per bushel, bags free. No. 2 sample, \$1.75 per bushel, bags free.

## FLAX SEED

Sow for production of seed, 45 lbs. per acre. For Fibre, experiments show that a seeding of 112 lbs. to the acre is best.

Flax Seed.—Ontario grown, common, medium height, blue flowers, quantity of fibre and seed varying with care of soil and season. Present price, clean seed, \$3.50 per bushel.

## MIXED GRAINS

Mixed Grains for Grain Production.—O.A.C. No. 3 Oats and O.A.C. No. 21 Barley, 1 bushel each per acre.

Mixed Grains for Green Fodder or Hay.—O.A.C. No. 72 Oats, 2 bushels per acre. Golden Vine Peas, 1 bushel per acre.

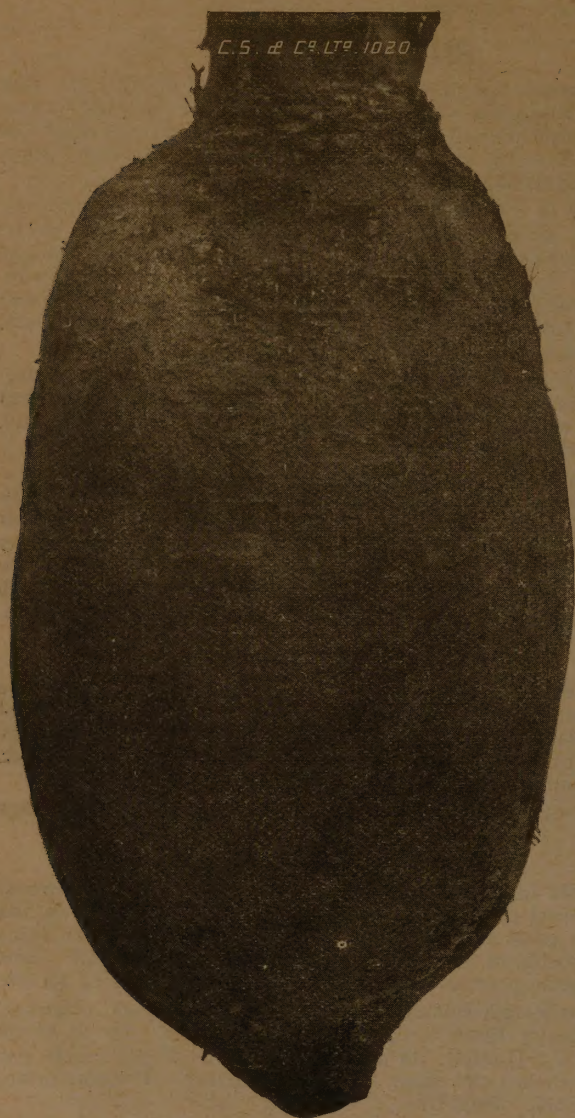
Mixed Grains and Clover for Annual Pasture (1).—O.A.C. No. 72 or Banner Oats, 3 bushels per acre. Red Clover, 7 lbs. per acre.

Mixed Grains and Clover for Annual Pasture (2).—Oats, 51 lbs. per acre. Sorghum, 30 lbs. per acre. Red Clover, 7 lbs. per acre.

Annual Pasture.—As recommended by Prof. Zavitz at the Experimental Union, January 7, 1920. This mixture he is confident will give more pasture than any other mixtures the Summer and Fall of the season planted, and then the Sweet Clover can be pastured the next season. Oats, 80 lbs. per acre. Sweet Clover 20 lbs. per acre.



# KEITH'S SUPERIOR QUALITY MANGEL SEED



Keith's Yellow Leviathan Mangel

We have been supplying seeds of Mangel and Turnip to the growers in Canada for 56 years. We secure the best that the world offers. Buy our Mangel and Turnip Seed and you can be fully satisfied that as far as the seed is concerned you have done the right thing. With good cultivation, good soil, and ordinary luck as far as weather is concerned a bountiful crop is assured. To make sure of our seeds we test them in our trial grounds to see for ourselves that they produce crops of high quality and true to type. Also before we send the seeds out they are tested for germination and only lots showing high germination and strong vitality are used.

## PRICES OF MANGEL SEED, ALL VARIETIES

IF WANTING 50 POUNDS OR MORE WRITE FOR SPECIAL PRICES

We put our Mangel and Turnip seed up in 1 lb. cotton bags. To put the seed in these bags, including the bag, costs us exactly 5c. per lb. Ordering "in bulk" you save this 5c. per lb. The seed sold in bulk and in packages is the same.

**In Bulk** 40c. per lb. if 5 lbs. or more are ordered.  
Postpaid, 50c. per lb. if 5 lbs. or more are ordered.

**In Pound Packages** 45c. per lb. if 5 lbs. or more are ordered.  
50c. single pounds.  
Postpaid, 55c. per lb. if 5 lbs. or more are ordered.  
Postpaid, 60c. single pounds.

**Keith's Yellow Leviathan.** This yellow intermediate Mangel has the best record of any Mangel at O.A.C., Guelph, and in the co-operative experiments throughout Ontario.

**Keith's Yellow Intermediate.** We sell more of this variety than any other. Very similar to Yellow Leviathan. Roots stand well out of the ground.

**Keith's Prizetaker.** Roots oval shape. Color and quality similar to Yellow Intermediate. Best for heavy soil, easiest to harvest. We think a crop of this variety will surpass anything you have had.

**Keith's Mammoth Long Red.** This variety has been grown so long, and is so well known, that a description hardly seems necessary. The length of roots generally is four or five times longer than the breadth. It is longer than the Yellow Intermediate and not so thick.

**Danish Sludstrup.** Intermediate, reddish yellow. Quite similar in shape to the Yellow Leviathan. The Danish Government have selected this variety as their best all-round Mangel.

**Keith's Giant Half Sugar Mangel.** Intermediate in form, white flesh, green top, easily harvested. The best keeper.

## CANADIAN GROWN MANGEL SEED

**Yellow Leviathan.** This is a splendid strain of Canadian grown seed, and we can heartily recommend it. In our trials it gave the best crop both as regards yield and quality. Price, 55c. per lb. if 5 lbs. or more are ordered; postpaid, 65c. per lb. if 5 lbs. or more are ordered; 70c. per lb. in single pounds.

## CULTURE OF MANGELS AND TURNIPS

Any well drained, well manured, properly worked soil will grow roots. Mangels require the richest and best prepared part of the root field. Swedes come next, and Fall Turnips last. Land intended for roots should be broken out of sod, thoroughly top worked, manured, and ploughed twice in the Fall. On shallow, weedy or poorly drained soils seeding in ridges generally works out the best. On clean rich soil level cultivation we think is preferable. Last season on account of the dry, hot May in these parts, many seedings of Mangels were lost. Our observations were that level seedings came through better. This was possibly due to the soil moisture being conserved.

**Time of Seeding.** We recommend early seeding of Mangels, if possible when the grain is planted. Swede Turnips from June 1st to July 15th. Turnips give superior quality if the greater part of the growth is in the Fall.

### Quantity required—

Our Mangel seed germinates around 150 per cent., nevertheless a heavy seeding is often necessary. Many seeds fail to germinate, not on account of being infertile, but because of lack of moisture or other adverse conditions, therefore it is advisable to sow from 5 to 12 lbs. per acre. Rough land or dry weather require the heavy seedings. Seed should be well covered 1½ inches to 2 inches deep.

Turnip seed 1 to 3 lbs. per acre. Thin Mangels and Turnips 6 to 15 inches apart.

Roots should be kept free of weeds all summer, and cultivated frequently to conserve moisture.



# KEITH'S FIELD TURNIP AND CARROT SEED

## Prices of Swede Turnip Seed, All Varieties

We put our mangel and turnip seed up in 1 lb. cotton bags. To put the seed in these bags, including the bag, costs us exactly 5c. per lb. Ordering "in bulk" you save this 5c. per lb. **The seed sold in bulk and in packages is the same.**

**In Bulk** 60c. per lb. if 5 lbs. or more are ordered.  
Postpaid, 70c. per lb. if 5 lbs. or more are ordered.

**In Pound Packages** 65c. per lb. if 5 lbs. or more are ordered.  
70c. single pounds.  
Postpaid, 75c. per lb. if 5 lbs. or more are ordered.  
Postpaid, 80c. single pounds.

**Keith's Prizetaker Swede Turnip.** A fine selection of heavy cropping Swede Turnip. Good keeper. Nothing better.  
**Canadian Gem Swede Turnip.** Canadian Grown seed. Purple top swede. Roots medium-sized, clean and even. A good shipper and keeper.

**Lord Derby Swede Turnip.** A bronze green top swede. Good shape; Hardy.  
**Elephant or Jumbo Swede Turnip.** Oval, purple top swede.  
**New Century Swede Turnip.** Similar in type to Canadian Gem.  
**Scottish Champion Swede Turnip.** A hardy bronze top.

## EARLY WINTER OR FALL TURNIPS

The fall turnips usually yield more heavily than the Swede varieties but they do not keep so well. May be sown much later in the season than the Swedes. We have seen good crops raised by planting up to the end of July.

**PRICES OF FALL TURNIPS.** 50c. per lb. if 5 lbs. or more ordered. 55c. per lb. for less quantities.

**POSTPAID PRICES.** 60c. per lb. if 5 lbs. or more ordered. 70c. per lb. for less quantities.

**Cow Horn.** Roots long, half above the ground. Used by Orchard men as cover crop and for soiling purposes. Will give a yield of about 20 tons per acre.

**Keith's Improved Greystone.** Heavy cropper, early and hardy.  
**Purple Top Yellow Aberdeen.** Best for poor soils.  
**Green Top Yellow Aberdeen.**

## FIELD CARROTS FOR STOCK FEEDING



### KEITH'S GIANT WHITE INTERMEDIATE CARROTS

Roots are smooth, clean and well shaped, short and very heavy at the shoulder, thus rendering them easy to harvest. Yields 20 to 30 tons to the acre. Sow  $2\frac{1}{2}$  to 5 lbs to the acre.

**Price, postpaid, lb. 80c.;  $\frac{1}{2}$  lb. 50c.;  
 $\frac{1}{4}$  lb. 35c.**



Lord Derby Swede Turnip



# KEITH'S VEGETABLE SEEDS

Prices of Vegetable and Flower Seeds are quoted post paid unless otherwise stated

**I**N SEEDS, quality should be considered above all things. Keith's Seeds are of the highest quality and sold at the lowest possible prices. We test our seeds in trial grounds and make extensive inspection each year of the crops grown for us, and of crops grown from our seeds. The knowledge gained in this way convinces us that better seeds than we sell cannot be bought anywhere. We have tested for germination all the seeds offered in this list, and offer only seeds that show strong vitality and high germination. Seeds that do not measure up to "Keith's Quality" are rejected.

## MARKET GARDENERS !

We are confident that our strains of Vegetable seeds are suitable for your wants. An increasing number of satisfied users who sow Keith's Seeds, season after season, prove their high quality. Ask the man who uses them! He knows. If you are particularly interested in any special strain or variety, we will be glad to supply you, free of charge, enough seed for a trial.



## THE PROGRESSIVE ONION

### A LETTER FROM THE ORIGINATOR

"In the season of 1911, I procured from Geo. Keith & Sons, Toronto, a quantity of Yellow Globe Danvers Onion seed. When harvesting the crop from that seed, I found one Onion which fulfilled my ideal of a perfect Onion, being about the size and shape of a baseball, with small close top and of nice golden bronze color. I preserved this Onion, and the following year planted and kept the seed obtained from it, and planted same next year, from the crop of which I selected about a dozen perfectly formed and colored specimens which I planted for seed the following year. I have continued this process of selection and elimination for 11 years, until now I have confidence that I have a strain with a fixed habit.

The seed each year was cleaned by the sinking process, which eliminates every weak or imperfect seed.

The flavor of this Onion is very mild, resembling the Spanish Onion in that respect.

As keepers they excel any Onions that I have ever grown during my forty years of practical experience.  
Adolphustown, Ont. (signed) J. L. Haycock"

Seed of the Progressive Onion can be obtained only through us.

We know that Mr. Haycock by his expert knowledge and careful work has produced a superior onion. He has been a market gardener for forty years. Price, pkt. 25c; oz. \$1.25.



## WASHINGTON ASPARAGUS

Reselected Pedigreed Washington Asparagus Seed. The most painstaking and careful breeding work that has ever been conducted with Asparagus has been done by the Bureau of Plant Industry of the U.S. Department of Agriculture. This strain is the result. Washington Asparagus is a rust resistant, vigorous, high yielding strain of giant asparagus. The plants represented in the pedigree of the last three generations are the best found in an eleven years' search among millions of plants tested.

A bed of asparagus should be considered in the light of a permanent investment. For this work we feel very sure that our trade will be satisfied with no other than the best obtainable.

Plant seed in uniform land. Light land is preferable to start young plants. Sow seed thin, 5 or 6 plants to the foot. If two or more seeds fall together there is sure to be a tangle. Thinning is not recommended. The grower is also advised not to plant the seed in the permanent place in his garden. Experience with this method has been unsatisfactory. Rows 15 inches to 18 inches apart for hand cultivation, 2½ to 4 feet apart for horse cultivation. Cover seed 1½ to 2 inches. Cultivate between rows with scuffle hoe. Weeds in row should be removed by hand. The use of tools in the row should be avoided at all times. Seed should be sown early in the spring. It takes so long to come up a small percentage of radish seed might be added to mark the row for cultivation.

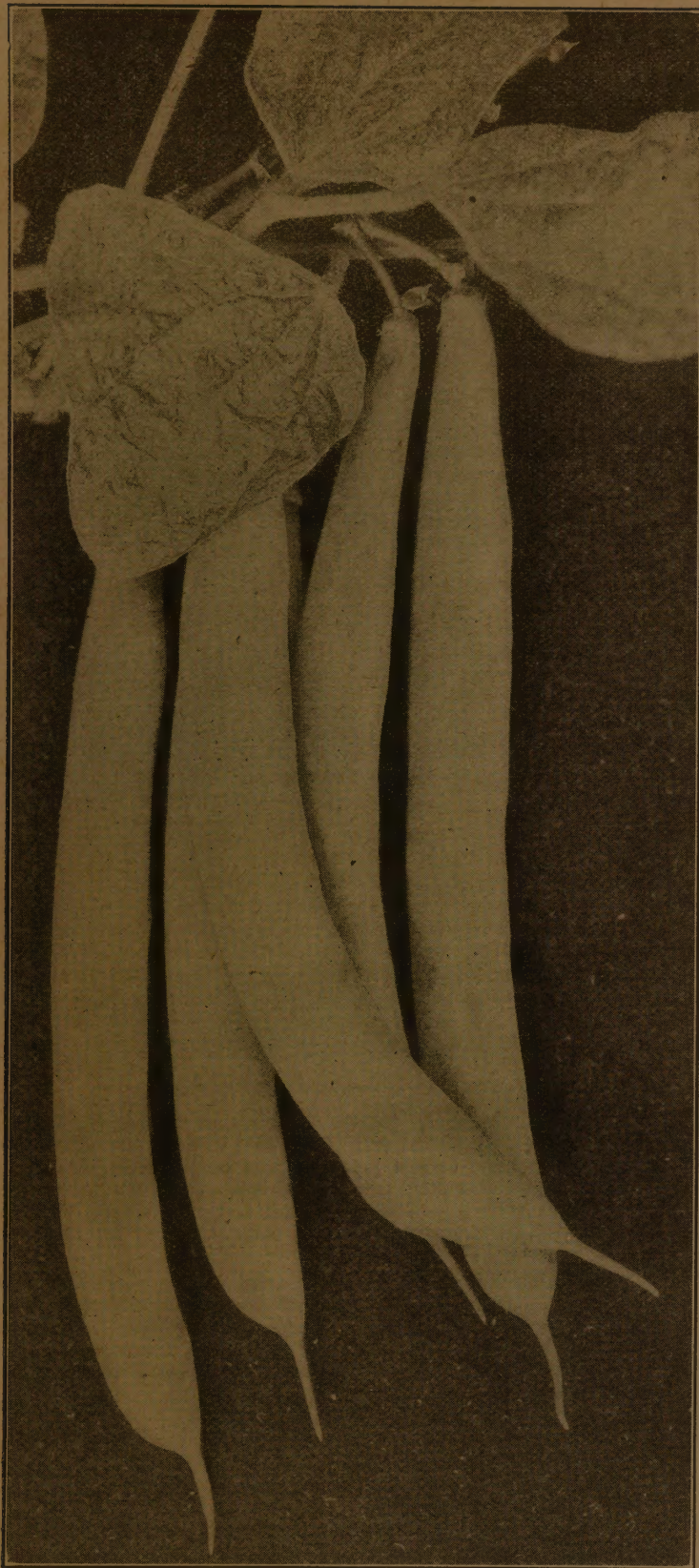
Reselected Pedigreed Washington Asparagus Seed. Pkt., 50c; oz., 75c; ¼ lb., \$2.60; lb., \$10.00. We regret we cannot offer any roots of the Washington strain this year.

Palmetto. Pkt., 5c; oz., 15c; lb., \$1.00.

Asparagus Roots. We offer strong one-year-old roots, by express not prepaid, per 1000 \$10.00, per 100 \$2.00, or postpaid, \$2.50 per 100. For garden culture a bed of 12 feet x 35 feet would require about 150 roots. The roots become established in a single season, affording a supply of shoots the second season.

Planting Asparagus Roots. Plant early in spring in thoroughly prepared soil. Plants 15 to 24 inches apart; rows 4 to 6 feet. Make a trench about 12 inches deep, cover crowns with 2 inches of soil at first, gradually filling in trench as plants develop. Experience shows that one-year-old roots do better than two-year-old roots. Select the large one-year roots.





Keith's Wonder Wax Bush Beans

## BEANS—PRICES

|                                   |     |     |
|-----------------------------------|-----|-----|
| KEITH'S WONDER WAX.....           | .30 | .35 |
| DAVIS' WHITE WAX.....             | .20 | .30 |
| KEITH'S GOLDEN WAX.....           | .18 | .30 |
| WARDWELL'S KIDNEY WAX.....        | .20 | .30 |
| BLACK WAX .....                   | .20 | .30 |
| HODSON'S WAX.....                 | .20 | .30 |
| KEITH'S GREEN POD STRINGLESS..... | .20 | .30 |
| VALENTINE .....                   | .20 | .30 |
| GOLDEN CLUSTER WAX (POLE).....    |     | .40 |
| SCARLET RUNNERS.....              |     | .50 |
| BURPEE'S BUSH LIMA .....          |     | .40 |
| ENGLISH BROAD WINDSOR .....       |     | .30 |

## CARRIAGE CHARGES EXTRA

5 lbs. or over

at, per lb. per lb.

5 lbs. or over

at, per lb.

## POSTPAID

1 lb.

½ lb.

¼ lb.

|     |     |     |     |
|-----|-----|-----|-----|
| .40 | .45 | .25 | .15 |
| .30 | .40 | .25 | .15 |
| .30 | .40 | .25 | .15 |
| .30 | .40 | .25 | .15 |
| .30 | .40 | .25 | .15 |
| .30 | .40 | .25 | .15 |
| .30 | .40 | .25 | .15 |
| .30 | .40 | .25 | .15 |
| .50 | .30 | .15 |     |
| .60 | .50 | .15 |     |
| .50 | .35 | .15 |     |
| .40 | .35 | .15 |     |

# KEITH'S SELECTED GARDEN BEANS

(Sow 2 lbs. for 100 feet, 1½ bushels per acre)

Beans are of easy culture and should be found in all kitchen gardens. The market gardener works for the very early trade or the late trade. It generally takes between 45 and 60 days from time of planting till wax beans are ready for use. Beans are somewhat tender. Plant when ground is dry and warm and at intervals for succession until late July. Plant in rows 30 inches apart, beans 3 inches apart in drills and not more than 2 inches deep. Cultivation should be frequent and shallow. Disturbing the roots is harmful. Cultivate when bushes are perfectly dry. For quick germination soak seeds overnight before planting.

## DWARF WAX OR BUTTER VARIETIES

Most people have a preference for the Wax Beans. They somehow imagine the taste is better than the green podded sorts. Possibly this is only imagination, for the color of the pod has very little if anything to do with the quality of the bean.

Among the best of the real early sorts is Keith's Wonder Wax. It is the most satisfactory Bean we had in our garden. It is as nearly stringless as any Bean grown. Most gardeners find it profitable for their early and late crops. Yields well, sells well.

**Davis White Wax.** Very showy variety and is largely grown for market. A crisp and tender snap bean when young. The dry beans are excellent for baking. Seed medium large, kidney shaped, clear white.

**Keith's Golden Wax.** Has been grown by our customers for over forty years. Selections from time to time have improved this strain, so that it holds its friends by its general good qualities. It is early, and yields well.

**Black Seeded Wax.** Early, good market garden variety for productiveness. Pods waxy yellow, solid, tender, free from rust and excellent quality, and when ripe seeds are black.

**Hodson's Wax.** We find this variety not quite so early, but plenty early enough. Works in well for succession with the other varieties—quality about same as Davis White Wax—unusually free from rust.

**Wardwell's Kidney Wax.** Plants about 14 inches high, crop ready to pick in 45 to 55 days from planting. Pods of good quality, brittle, fine grained, and nearly stringless.

## DWARF GREEN PODDED VARIETIES

**Keith's Green Pod Stringless.** Many people have the impression that the Green Podded Beans are richer in flavor, and slightly hardier than the Wax varieties. This may be so, both are good. We think the best Green Podded is Keith's Green Pod Stringless. It is early and of high quality and throws large quantities of fine tender pods.

**The Valentine.** Is an old stand-by. You will make no mistake in planting this Bean, as in quality, yield and earliness it will be satisfactory. Allow 45 days from planting to picking.

## POLE OR RUNNING VARIETIES

**Golden Cluster Wax.** For a small garden a few hills would we think supply you with sufficient wax beans of the highest quality, using the least amount of space. Use poles 6 to 10 feet. It is later than the bush wax, but the beans remain in condition for use a long time.

**Scarlet Runners.** Grow 10 to 12 feet high. Pods picked and cooked as a snap bean are delicious, also used as a Vine for covering fences, etc.



# KEITH'S SUPERIOR BEETS

Beets are easy to grow. Plant seed on the level about 1 inch deep, rows 14 inches to 18 inches apart. Thin plants 3 inches to 5 inches interval. One ounce of seed for 40 feet of drill or 5 lbs. to the acre. Sow from early spring for succession up till early August. Beets are ready generally in 45 to 60 days from seeding. For your crop for winter storing sow about July 15th. This gives a medium sized beet in good condition late in the fall.

Seed can be started under glass about March 1st and transplanted out when 3 to 5 inches high. In this way beets are usually ready for market a week or 10 days earlier than the first planting in the open.

The varieties of names given to Beets are endless, but our experience in trying out these convinces us that there is practically only one Beet, and any difference there is comes by careful selection, and developing these selections.

**FIREBALL.** Has been developed for its earliness, its bright color and true form. This Beet can be used, and we recommend it, for early summer crop and winter use, and it forces well.

**DETROIT DARK RED.** Has been selected for its conformity to the ideal—a perfect Beet, globular in form, small top, very dark red both inside and outside. Nothing is prettier than this variety canned whole when about half grown.

**CROSBY'S EGYPTIAN.** Is just the thing for early market. It has a rounding flat root, bright red flesh. We think it an improvement on the old Extra Early Flat Egyptian, which really is no earlier and is much smaller.

**EDMOND'S LATE.** In our trials always shows its good qualities. We find it the best keeper, having a rock-like firmness when harvested.

**SWISS CHARD OR SPINACH BEET.** A splendid vegetable and one that gives more for the space used than any other. Grown chiefly for its broad white leaf stalks and mid-ribs, which are cooked and served in the same manner as asparagus. The leaves are also cooked like spinach. Plant and cultivate in the same manner as beet. Cut as required, do not pull. Treated this way it will grow again.

## BEETS—PRICES POSTPAID

|                                  | 1 lb. | ½ lb. | ¼ lb. | oz. | pkt. |
|----------------------------------|-------|-------|-------|-----|------|
| Fireball.....                    | .80   | .60   | .35   | .15 | .05  |
| Crosby's Egyptian.....           | .80   | .60   | .35   | .15 | .05  |
| Detroit Dark Red.....            | .80   | .60   | .35   | .15 | .05  |
| Edmond's Late.....               | .80   | .60   | .35   | .15 | .05  |
| Swiss Chard or Spinach Beet..... | 1.00  | .70   | .40   | .15 | .05  |

# KEITH'S QUALITY CABBAGE



Copenhagen Market

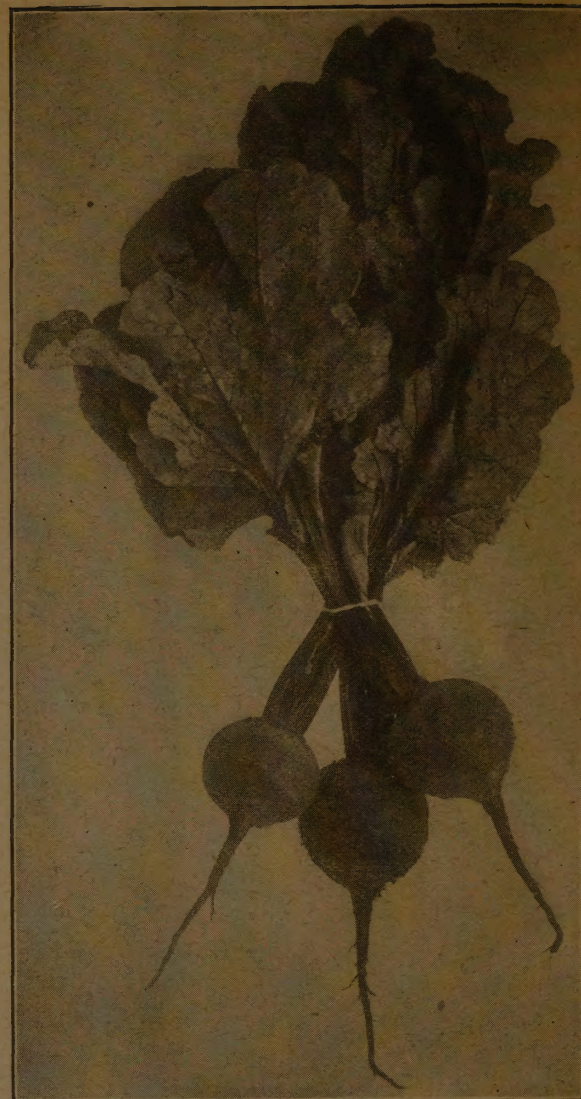
Usually 90 to 100 days from sowing of seed until harvest. One ounce will produce 1000 plants. One-half pound of seed will produce enough plants to plant an acre. One and a quarter pounds to the acre if sown in the open.

For Early Cabbage. Seed planted in hot-bed in February or March. For Late Cabbage, sow seed in open in May or June.

For Early transplant when plants are 6 inches high, set plants down to first leaf burying all the stem. For Late transplant or thin, allowing 18 to 24 inches each way. In our trials we get the best late cabbage by planting right in open where plants are to stand, about May 24th to June 1st. Then when three weeks old thin down to a stand.

**Good Seed and Thorough Cultivation** will give results on almost any kind of soil. Some growers, desiring to secure an early crop, take long chances with frost by planting out very early.

There is a world of Varieties of Cabbage, but really very few are required to cover the wants of the Ontario Gardener. We have cut our list to the Varieties that are distinct, and have procured the best Strain of each Variety. We know that they are right.



Detroit Dark Red Beet

**Copenhagen Market.** The first cutting of Cabbage is always a paying one. In actual test of our first cutting the Copenhagen Market had the largest percentage of heads ready for market, with Keith's Wakefield next. If this has not already been your experience, try it out with a small test plot, along with your crop. It is a large round-headed variety. Very solid and slow to burst.

**Keith's Wakefield.** We have felt for many years that a good strain of Wakefield would produce more marketable heads than any other early Cabbage, but the Danish grower of our Copenhagen Market has succeeded in winning out. However the Wakefield is a very valuable, pointed head variety, and should be used.

**Glory of Enkhuizen.** Is a large, roundheaded variety, about two weeks later than the Copenhagen Market.

**Keith's Winningstadt.** A pointed head sort, being ready about the same time as the Glory of Enkhuizen. Possibly it stands the summer better.

**Keith's Danish Ballhead.** For a country as far north as we are there is no late Cabbage to equal it. Yields fine solid heads and is said to keep until Cabbage comes again.

## CABBAGE—POSTPAID PRICES

|                                      | lb.  | ¼ lb. | oz. | pkt. |
|--------------------------------------|------|-------|-----|------|
| Copenhagen Market.....               | 4.00 | 1.25  | .35 | .10  |
| Keith's Wakefield.....               | 2.50 | .85   | .30 | .05  |
| Keith's Danish Ballhead.....         | 3.00 | 1.00  | .35 | .10  |
| Glory of Enkhuizen.....              | 3.00 | 1.00  | .35 | .05  |
| Keith's American Drumhead Savoy..... | 2.50 | .75   | .25 | .05  |
| Red Danish Stonehead.....            | 2.50 | .75   | .35 | .10  |
| Winningstadt.....                    | 2.50 | .75   | .30 | .05  |

For many years Cabbage seed has been a leading specialty with us. Our Cabbage seeds are all grown from selected plants of proven strains. We believe there is no seed that is more reliable nor any that can be more depended upon to give the grower satisfactory results.



# KEITH'S TABLE CARROTS AND CELERY



Keith's Selected Chantenay or Model Carrot

Few people realize that Carrots contain a very large amount of starch and sugar. They are easily grown, rarely if ever attacked by insects and are very rich in food value. You will get the full value out of this vegetable if you make three or four plantings, say three weeks apart, to afford a succession of tender roots. Make your first seeding as early as possible. In the hand-worked garden make rows 15 inches apart. For field work 24-inch rows are required to allow for horse cultivation. In heavy soil it is necessary to pay particular attention to the thinning. In light soil it is often best not to thin too carefully. Then the roots are not so liable to grow too large.

Sow 1 ounce to 100 ft. of drill, or 2 to 3 lbs. per acre. Cover one-half to one inch deep. See to it that the soil is pressed firmly above the seed. The seed takes considerable time to germinate and the seedlings are very slender and require careful cultivation until the crop is firmly established. Plant a few lettuce seed with carrot as a row mark so that cultivation can commence before the Carrot seed germinates. Ready for the table in 50 to 90 days from day of planting

## CARROT

The most popular variety for the garden and the market gardener is the Chantenay. It is early, the roots are stump-rooted and of fine quality.

Another just as good is the Oxheart. A trifle shorter, very smooth

and free from side roots. Its name describes well its shape—short and thick.

If you prefer a larger variety, one that will yield better, you will be suited with the Danvers Half Long.

Keith's Early Scarlet Horn. Is just the thing for forcing or for early summer carrots. The root is thick and short. For stock feeding we find our White Intermediate to be the best. It is creamy white, with a light green crown. Short and thick set, easily harvested.

### CARROT—POST PAID PRICES

| Keith's Selected Chantenay or  | lb.  | ½ lb. | ¼ lb. | oz. | pkt. |
|--------------------------------|------|-------|-------|-----|------|
| The Model.....                 | .90  | .60   | .35   | .15 | .05  |
| Keith's Early Scarlet Horn.... | 1.00 | .60   | .35   | .15 | .05  |
| Danvers Half Long.....         | .90  | .60   | .35   | .15 | .05  |
| Oxheart or Guerande.....       | .90  | .60   | .35   | .15 | .05  |
| Half Long Scarlet Nantes....   | .90  | .60   | .35   | .15 | .05  |
| Giant White Intermediate...    | .80  | .50   | .35   | .15 | .05  |

# KEITH'S CELERY

8 to 12 oz. produce enough plants for an acre.

20,000 to 60,000 plants required per acre according to method of cultivation.

Success with celery requires rich soil and plenty of water.

Good results obtained by mixing seed with moist sand to give even distribution, spread evenly over surface of tray or bed (20 square feet of space) for 1 ounce of seed; firm surface, cover with single thickness of burlap. If temperature favourable (about 70 degrees) seeds will begin to sprout in about 10 days. Meantime the burlap covering must be moistened frequently. When young seedlings appear remove burlap and shade bed with lath leaving ½-inch openings.

Transplanting accomplishes two purposes.

(1) The seedling plant root is broken and causes large mass of fibrous roots to form with the result that the plant will do better in the field. (2) No thinning of seed bed is necessary. Transplant when plants are 2 to 3 inches high.

Set out in June or July when plants are 5 inches high. Plants 6 to 8 inches apart in the row. Rows 3 feet apart. Press soil firmly around each plant. Keep free from weeds.

In August begin earthing up, to blanch and press earth around each plant firm enough, to keep leaves in upward position. Repeat this process every few days, and finally spade the soil from between the rows, banking it up to the top on each side of the row so that only the top leaves are visible.

Matures in 120 to 140 Days

## CELERY

It has been stated, and we think it is a fact, that fully 85 per cent. of the Celery grown in this country is Golden Self-Blanching, White Plume and Easy Blanching, and that



Golden Self-Blanching Celery

65 per cent. of the commercial crop offered is the Golden Self-Blanching. This does not speak very well for the balance of a long list of varieties offered, and on the other hand it gives a splendid recommendation for the Golden Self-Blanching, Easy Blanching and White Plume.

**Golden Self-Blanching.** Ships well, looks well, is easily grown and the quality is good. It is a golden yellow color, easily bleaching to a creamy white. The seed we offer is grown by the originator, Vil Morin, France. Many gardeners buy their seed one year ahead in order to test out the crop in a small way, and thus be sure of the next season's crop.

**Special Selected Strain Easy Blanching.** A green celery. It grows 20 to 24 inches tall. It is very uniform in size. Very crisp and tender, it can be used for both early or late. As an early celery using paper or boards, it blanches in 10 days to 2 weeks with a golden yellow heart. As a late celery it is a good keeper until the holidays. It is more vigorous than the Golden Self-Blanching, and has a most attractive appearance. The seed we offer was grown by a market gardener, near Philadelphia, who makes a specialty of this strain.

**White Plume.** Comes next in importance. It is earlier than the Golden Self-Blanching, and bleaches to a pure white.

**Giant Pascal.** This is the standard variety for winter market.

### CELERY—POST PAID PRICES

|                                                                                         |
|-----------------------------------------------------------------------------------------|
| Golden Self-Blanching. ½ lb., \$3.00; oz., \$1.00; ¼ oz., 60c; pkt., 25c.               |
| Special Selected Strain Easy Blanching. ½ lb., \$2.75; oz., 75c; ¼ oz., 50c; pkt., 15c. |
| Easy Blanching. California Grown Seed. ½ lb., \$1.00; oz., 40c; ¼ oz., 30c; pkt. 10c.   |
| White Plume. ½ lb., \$1.00; oz., 40c; pkt. 10c.                                         |
| Giant Pascal. ½ lb., \$1.00; oz., 40c; pkt. 10c.                                        |



# KEITH'S CAULIFLOWER SEED

HOLDS A REMARKABLE REPUTATION AMONG MARKET GARDENERS—ASK ONE!

We find this delicious vegetable nearly as easy to grow as cabbage, and most operations are similar, but always remember that Cauliflower will not head up well in hot, dry weather. It requires cool nights, therefore we recommend that you endeavor to plant so that maturity will come either before the hot weather sets in or not until the cooler weather of the fall. It takes about 3 to 3 1-2 months for this vegetable to develop.

One ounce of seed will furnish about 1000 plants

The early plantings should be in the greenhouse, hotbed, cold frame or window in February and early March. Then out to position in the open right after the frost has gone. These will head during June. We strongly advise the amateur to grow Cauliflower only as a fall crop. It grows more easily at that time. Sow about June 1st. Plants may be set out July 1st to July 15th. Growth should be steady as it does not recover from a check as readily as cabbage. The cool nights of September develop the plants rapidly and a strong leafy plant nearly always produces a good flower. Rows 2 1/2 to 3 feet apart plants 1 1/2 feet apart. As the flowers form gather the leaves together and tie them at the top to prevent injury from sun and frost.

**Keith's Early Snowball.** Price, 1/4 lb., \$3.00; oz., \$2.50; 1/2 oz., \$1.35; pkt., 25c. We have long recognised the demand for a better strain of Snowball Cauliflower for outdoor cultivation. For several years we have been selecting a strain and are now prepared to supply it. Several of the largest and most experienced commercial cauliflower growers have tried out this strain and all of them have recognised the improvement over the original



Keith's Early Snowball Cauliflower

early Snowball Cauliflower for outdoor use. No better strain to be got no matter what claims are made, nor how high a price is asked. **Early Dwarf Erfurt.** Price, 1/4 lb., \$3.00; oz., \$2.50; 1/2 oz., \$1.35; pkt., 25c. Characteristics and general quality much the same as Snowball. **Danish Dry Weather.** Price, 1/4 lb., \$3.00; oz., \$2.50; pkt., 25c. Especially adapted to resist drought. Similar in growth to Early Erfurt

**Cabbage Worm.** Spray before the damage is done. Arsenate of lead, 1/2 pound to 10 gallons of water, or dust with 1 part arsenate of lead and 10 parts hydrated lime.

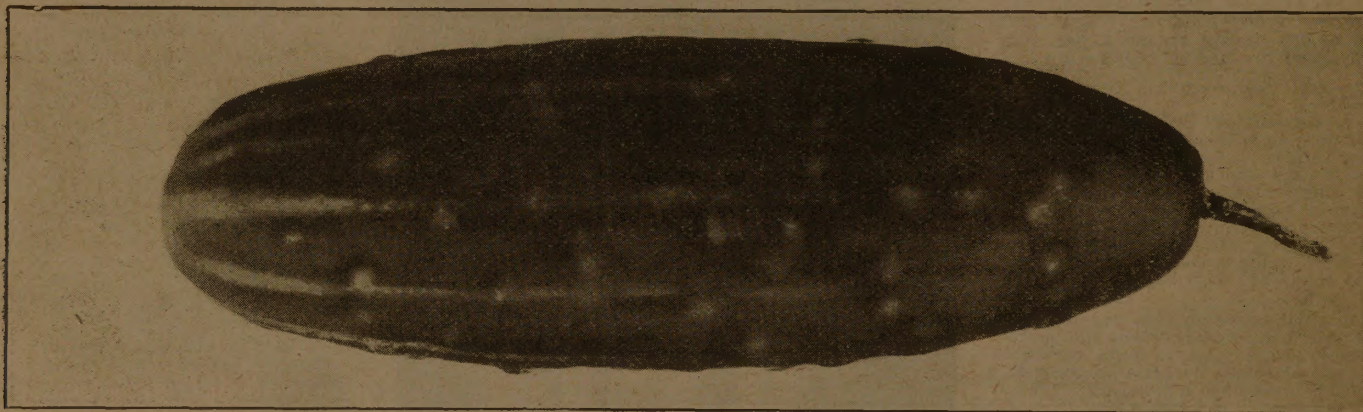
**For a Good Crop  
Rich Soil and  
Ample Moisture  
Necessary**

Our Cauliflower Seed is grown for us by specialists in this vegetable in Denmark, and we know that our seed will produce as good a crop as any seed that can be bought. To secure results to our customers we have found it advisable to see the actual product of our cauliflower seed the year before we offer it for sale as the seed is expensive and so much depends on its quality. What we offer gives high germination. Leaflet with fuller cultural directions supplied on request.

**We can  
recommend our  
Cauliflower Seed  
enthusiastically**

## CUCUMBERS

ARE READY FOR THE TABLE IN 60 TO 75 DAYS FROM DAY OF PLANTING



Keith's Perfection Cucumber

**For the Home Garden**—Plant 15 to 20 seeds, not over an inch deep, in each hill. Hills four to six feet apart each way. After plants begin to crowd and danger of beetle is over, thin to three plants to the hill. Cultivate frequently and shallow until runners prohibit it. Date of planting, May 15th to July 15th, at intervals for succession. One ounce of seed required for 50 hills.

**For Field Work**—Plow furrows four feet apart and similar ones at right angles to the first. At each intersection drop a shovelful or more of manure, which should be well mixed with the soil. At these points plant the seed similar to method described above. Two to three pounds of seed required for an acre.

**For Early Crop**—Start plants in boxes, pots or on a piece of sod (grass down) in house or hot-bed about March 15th to April 1st. Transplant to open ground in rich soil when danger of frost is over. Pick the fruit before it begins to ripen, as the vines will cease setting fruit as soon as any seed begins to mature.

**Keith's Improved Long Green.** Is a good all-round Cucumber. Makes a splendid pickler when young, and will grow a long dark green, almost seedless fruit for slicing.

**Keith's Perfection.** Generally used as a slicer. It has a good reputation with the gardeners for forcing, but is mostly grown in the open. Do not think that it yields quite as well as the Long Green, but it is a more beautiful Cucumber.

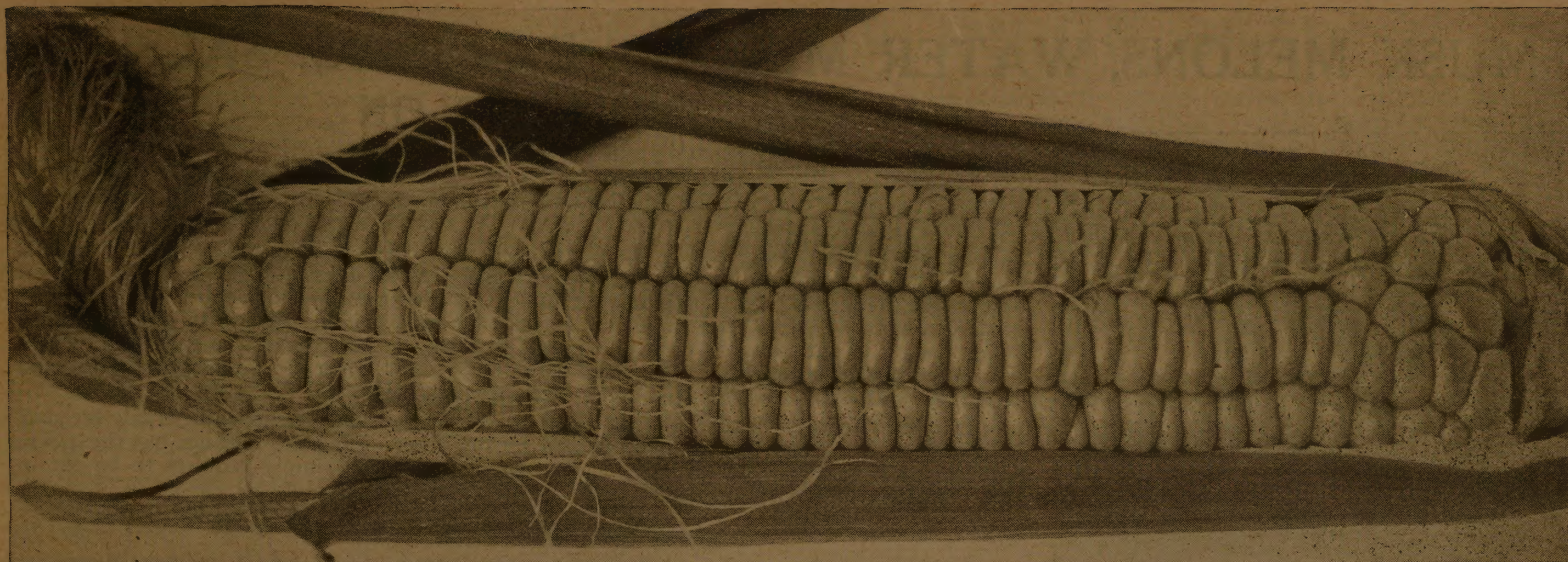
**Chicago Pickling.** Grown for picklers, as is the case with any good well-known variety. There are a large number of strains which vary little or none from the original. There is no occasion for stocking or listing more than one of them, so we have picked out what we consider the best strain. It is a variety developed by pickle factories.

**Japanese Climbing.** A distinct climbing sort. Makes great saving of space to the small gardener, as it can be grown alongside and trained to a fence. Fruit 10 inches long, crisp and of fine quality; color dark green.

### CUCUMBER SEED—POST PAID PRICES

|                             | per lb. | 1/2 lb. | 1/4 lb. | 1 oz. | pkt. |
|-----------------------------|---------|---------|---------|-------|------|
| Keith's Improved Long Green | 1.40    | .90     | .55     | .20   | .05  |
| Chicago Pickling            | 1.25    | .80     | .50     | .20   | .05  |
| Japanese Climbing           | 2.25    | 1.25    | .75     | .25   | .10  |
| Keith's Perfection          | 1.40    | .90     | .55     | .20   | .05  |
| White Spine                 | 1.40    | .80     | .50     | .20   | .05  |
| Early Frame                 | 1.40    | .90     | .55     | .20   | .05  |





Keith's Golden Bantam Sweet Corn

## SWEET CORN

In selecting varieties of Sweet Corn for your crop your market requirements, and your own special taste have to be considered. If it is a Yellow or Golden Bantam type that you require, we offer three:

**Keith's Golden Bantam.** Our best seller. Is seven to ten days later than our Early Cory White Cob, but its superior quality and flavor make it well worth waiting for. In our trials last year we had our first mess on July 20th. Ready to use in 65 to 70 days.

**Golden Giant (De Lue's).** Last season we tried this selection of Bantam and found it to produce a crop of larger cobs than Golden Bantam, and much to our surprise it was ready a few days earlier, and the quality was very fine. Our conviction is that it is a valuable selec-

tion. **Bantam Evergreen.** A cross between Stowell's Evergreen and Golden Bantam. On good soil this throws a wonderful crop of fine large ears. Ready to use, 80 to 85 days.

**Keith's Early Cory White Cob.** Market gardeners buy this extra early for their first crop. Ready to use, 55 to 60 days.

**Howling Mob.** A larger white corn than Cory, and is ready about the same time as Golden Bantam. We think it an improvement on Kendall's Giant.

**Keith's Stowell's Evergreen.** Along with Golden Bantam this is our best seller. There is nothing in this catalogue that we are prouder of than this strain of Stowell's Evergreen. It is a main crop, white corn, large cobs, deep grain and high quality. Ready to use, 80 to 85 days.

### SWEET CORN PRICES

|                                   | CARRIAGE CHARGES EXTRA       |       | POSTPAID                     |       |       |            |
|-----------------------------------|------------------------------|-------|------------------------------|-------|-------|------------|
|                                   | 5 lbs. or over<br>at per lb. | 1 lb. | 5 lbs. or over<br>at per lb. | 1 lb. | ½ lb. | 2 oz. pkt. |
| Keith's Golden Bantam.....        | .16                          | .25   | .25                          | .35   | .20   | .10        |
| Golden Giant (De Lue's).....      | .20                          | .30   | .30                          | .40   | .30   | .10        |
| Bantam Evergreen.....             | .17                          | .25   | .25                          | .35   | .25   | .10        |
| Keith's Early Cory White Cob..... | .15                          | .25   | .25                          | .35   | .20   | .10        |
| Howling Mob.....                  | .20                          | .30   | .30                          | .40   | .20   | .10        |
| Keith's Stowell's Evergreen.....  | .15                          | .25   | .25                          | .35   | .20   | .10        |
| Country Gentleman.....            | .20                          | .30   | .30                          | .40   | .20   | .10        |
| Black Mexican.....                | .20                          | .30   | .30                          | .40   | .20   | .10        |

## KEITH'S LETTUCE SEED

One ounce of seed will sow 150 feet of drill or 2000 plants.

**Loose Leaved Varieties.** Best where lettuce is grown thick in the row as is often the case, also for lettuce in the hot weather, as the head lettuce has a tendency to run to seed, and for forcing in the green-house.

The most popular varieties for early use and for forcing are the **Grand Rapids** and **Curled Simpson**. They do not make a head, but a loose fluffy bunch of tender light green or creamy leaves, and grow rapidly.

We are often asked how to grow heads of Lettuce that everyone likes, or as good as those offered in the stores at 10c. and 15c. and more a head. Use **May King**, **Tom Thumb** or **Tennis Ball**, or **Crisp as Ice** or **Big Boston**.

Points to be considered:

- (1) It takes 70 to 80 days to mature good heads.
- (2) Lettuce is a cool weather plant, therefore plant to harvest before hot dry weather sets in or after hot season is over.
- (3) Give each plant plenty of room—say a square foot of ground. Lettuce transplants readily.
- (4) Rich soil. Constant cultivation. That is where a good wheel hoe comes in handy.
- (5) If you are prepared to irrigate, so much the better. It takes barrels and barrels for only a small space. Use plenty of water.
- (6) A light application of Nitrate of Soda sprinkled between the rows helps.

### LETTUCE SEED—POSTPAID PRICES

|                               | lb.  | ½ lb. | ¼ lb. | oz. | pkt. |
|-------------------------------|------|-------|-------|-----|------|
| Grand Rapids.....             | 1.50 | .90   | .60   | .20 | .05  |
| Curled Simpson.....           | 1.50 | .90   | .60   | .20 | .05  |
| New York.....                 | 2.00 | 1.10  | .60   | .20 | .05  |
| May King.....                 | 1.50 | .90   | .60   | .20 | .05  |
| Crisp as Ice.....             | 1.50 | .90   | .60   | .20 | .05  |
| Nonpareil.....                | 1.50 | .90   | .60   | .20 | .05  |
| Tom Thumb.....                | 1.50 | .90   | .60   | .20 | .05  |
| Trianon Cos.....              | 1.50 | .90   | .60   | .20 | .05  |
| Big Boston or Unrivalled..... | 1.50 | .90   | .60   | .20 | .05  |

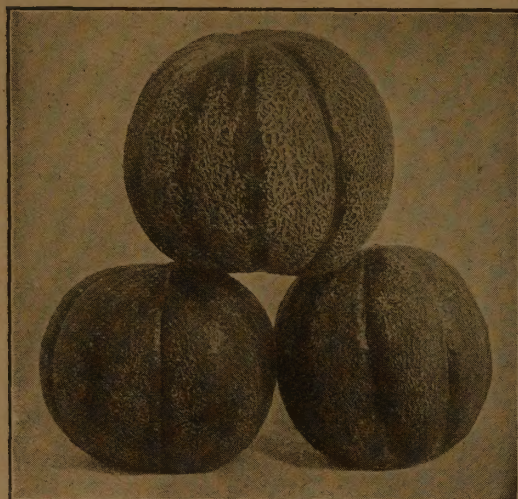


Grand Rapids Lettuce



# MUSK MELONS, WATER MELONS, PARSNIPS, SALSIFY

## MUSK MELON



Extra Early Prize Musk Melon



Sandwich Island Salsify

One ounce will plant about 70 hills; 3 lbs. per acre.  
If you make a hobby or business of getting the best results with muskmelons and water-melons we would advise that you send to the Department of Agriculture, Ottawa, for pamphlet No. 26 on Melon culture.

**Culture in the Open.** Sow in light, rich soil, after it has become warm and dry, in hills 6 to 7 feet apart, and a dozen or more seeds in a hill. A few days after the seed is sown, and just before the plants break through the ground, poisoned bran in the proportion of one part Paris Green to 50 parts bran should be sprinkled over the hill. This is to kill cutworms. When danger of cutworms is over, thin plants to three of the strongest to each hill. From now on cultivate thoroughly. The vines may be moved to cover the ground best with least crowding. Muskmelons when ripe break easily from the vine.

It is hard to say which is the best variety of Muskmelon. It depends largely on your individual taste. Some like a salmon-fleshed Melon, others will have nothing but the green. Some like a big Melon, for slicing, others a small one which simply requires to be cut in half. We offer you varieties which cover all these requirements

### GREEN FLESHED SORTS

**Keith's Extra Early Prize.** (Days to maturity 90). Is a Melon of excellent flavor, of convenient size (oblong, about 7 inches long). We have found it the earliest high quality Melon, and it is a very satisfactory one to grow in Ontario and Quebec.

**Rocky Ford.** (Days to maturity 105). We have a fine strain of this well-known Melon. Fruit small, almost round.

**Extra Early Hackensack.** (Days to maturity 100). Medium to large in size. Used either as an early market variety or as a home garden sort.

**Improved Montreal Nutmeg.** (Days to maturity 120). The largest and most noted Muskmelon in cultivation.

### SALMON FLESHED SORTS

**Paul Rose or Petoskey.** (Days to maturity 105). Uniform in size, running about one and a half pounds. The bright orange flesh is very thick, firm, and of delicious flavor.

**Extra Early Osage or Miller's Cream.** (Days to maturity 100). Oval in form. One of the best Melons we know of.

### MUSKMELON SEED—POSTPAID PRICES

|                                          | 1 lb. | ½ lb. | ¼ lb. | oz. | pkt. |
|------------------------------------------|-------|-------|-------|-----|------|
| Keith's Extra Early Prize.....           | 1.45  | .90   | .50   | .25 | .05  |
| Rocky Ford.....                          | 1.45  | .90   | .50   | .25 | .05  |
| Improved Montreal Nutmeg.....            |       |       |       | .75 | .10  |
| Extra Early Hackensack.....              | 1.45  | .90   | .50   | .25 | .05  |
| Extra Early Osage or Miller's Cream..... | 1.45  | .90   | .50   | .25 | .05  |
| Paul Rose or Petoskey.....               | 1.45  | .90   | .50   | .25 | .05  |

## WATER MELONS

**Culture.** Treat the same as Muskmelon. One ounce will plant about 50 hills.

**Cole's Early.** (Days to maturity 100). This is the first Melon for the Canadian garden. Nearly round. Flesh dark red.

**Kleckley's Sweet.** (Days to maturity 125). Large oblong. Suitable for the home garden.

### WATER MELON SEED—POSTPAID PRICES

|                           | lb.  | ½ lb. | ¼ lb. | oz. | pkt. |
|---------------------------|------|-------|-------|-----|------|
| Cole's Early.....         | 1.00 | .60   | .40   | .20 | .05  |
| Kleckley's Sweet.....     | 1.00 | .60   | .40   | .20 | .05  |
| Ice Cream or Peerless.... | 1.00 | .60   | .40   | .20 | .05  |

## PEPPERS

Plants had best be started early in March and should receive practically the same attention as tomatoes. Set out into the field when all danger from frost is over. Rows 2 feet apart, allow 1 foot between plants.

**Hamilton Market.** The most used around Toronto and

Hamilton. Early large variety, sweet and mild. Price, oz. \$1.25; ½ oz. 75c.; pkt. 10c.

**Large Bell or Bull Nose.** Price, oz, 50c; pkt, 10c. A large, early, light red variety.

**Large Red Cayenne.** Price, oz, 50c; pkt, 10c. Does best in Southern Ontario.

## PARSNIP

Sow seed early in the spring in rows 15 to 16 inches apart in hand-worked gardens and 24 to 30 inches apart for horse cultivation. The seed is usually slow in germinating and it is a good plan to sow a few radish or lettuce seeds with the parsnip seed to mark the rows for early cultivation. Thin plants to 4 inches apart in row. Watch your plantings carefully and see if a good catch is secured. If not plant again. A good crop in suitable soil will be yours from seed planted even up to July. Roots take about 100 days to develop. One ounce to 100 feet of drill.

**Keith's Improved Hollow Crown Parsnip.** Price, per lb., \$1.15; ½ lb., 70c; ¼ lb., 40c; oz., 20c; pkt., 5c.

## SALSIFY OR OYSTER PLANT

One ounce to 60 feet of row. 10 lbs. per acre. Soil, seeding, culture and storing same as the parsnip.

**Sandwich Island Salsify.** Price, per lb., \$2.00; ½ lb., \$1.15; ¼ lb., 65c; oz., 20c; pkt., 5c.



Keith's Improved Hollow Crown Parsnip



# KEITH'S SURE CROP ONION SEED

**Culture.** Sow 1 oz. for 100 feet of drill., 6-7 lbs. to the acre; 30 lb. to the acre for picklers; 60 to 80 lbs. per acre for sets. The onion to mature properly should have an abundance of plant food in the soil to force early growth. The seed should be sown just as soon as the soil can be worked. The earlier the better, in rows 15 to 18 inches apart—seed to be covered not more than  $\frac{1}{4}$  inch deep and soil firmed over the seed. The plants should be thinned to 1 inch apart, and these as they develop may be taken out for use, leaving the bulbs for maturing 2 inches apart. The reason for thick necks and late maturing of this crop is that the growth has not been forced early and this can be overcome only by early seeding and an available food supply early in the spring. Care should be taken in cultivating not to go too deep and not to cover bulbs.

Market gardeners often start the seed in flats in the house in February or early March, and harden off for setting out early in May, spacing them 4 inches apart in the row. Plants when set out should be 6 inches to 8 inches high. This method takes more labor at the start, but a great saving is made in the field work later on and the quality and size of the crop is better.

## ONION SEED

The variety of Onions to grow depends on your market. Study that market, then if possible grow the particular kind wanted. The best known and most popular among the yellow Onions is:

**KEITH'S YELLOW GLOBE DANVERS.** Market gardeners all over Canada know what fine Onions our strain will produce. We sell more of this variety than any other. They will keep solid all winter and sell at any time.

**PRIZETAKER.** Is a big yellow Onion. Mild and tender. Taken one year with another it is probably the best yielder of any of the varieties. Its only fault is that it does not keep well for spring trade. It should be disposed of in the fall or early winter. This is a good variety to start inside and transplant.

**AUSTRALIAN BROWN.** Is the best keeper. A shade smaller than the Globe Danvers and of a reddish brown color.

**YELLOW STRASBURG.** Is used for the finest grade of Onion Sets. They will make by all means the handsomest sample of any of the yellow varieties.

**SOUTHPORT WHITE GLOBE.** It is possibly the best white Onion for the market gardener. It is rather late and takes a long growing season to mature perfectly. If you want an earlier White Onion you should use **WHITE PORTUGAL**.

**WHITE BARLETTA.** Will produce small white picklers in about 80 days, and is used extensively for bunching.

**WHITE WELSH.** Forms no bulbs. Used for bunching and green Onions. Plant in July and August.

The best known of all Red Onions is the **RED WETHERSFIELD**. It is early, and next to the Australian Brown is the best keeper.

## ONION SEED—POST PAID PRICES

|                                 | 5 lbs. or over<br>at per lb. | 1 lb. | $\frac{1}{2}$ lb. | $\frac{1}{4}$ lb. | oz. | pkt. |
|---------------------------------|------------------------------|-------|-------------------|-------------------|-----|------|
| Keith's Giant Yellow Prizetaker | 1.85                         | 2.00  | 1.25              | .75               | .20 | .05  |
| Keith's Yellow Globe Danvers    | 1.85                         | 2.00  | 1.25              | .75               | .20 | .05  |
| Southport Yellow Globe          | 1.85                         | 2.00  | 1.25              | .75               | .20 | .05  |
| Southport Red Globe             | 2.00                         | 2.25  | 1.25              | .75               | .20 | .05  |
| White Portugal                  | 3.00                         | 3.25  | 1.75              | 1.00              | .30 | .10  |
| Keith's White Barletta Pickling | 3.25                         | 3.50  | 2.00              | 1.15              | .30 | .10  |
| Keith's Large Red Wethersfield  | 1.85                         | 2.00  | 1.25              | .75               | .20 | .05  |
| Australian Brown                | 1.50                         | 1.65  | 1.00              | .60               | .20 | .05  |
| Yellow Strasburg                | 1.50                         | 1.65  | 1.00              | .60               | .20 | .05  |
| White Welsh                     |                              | 3.00  | 1.75              | 1.00              | .30 | .05  |
| Denia                           |                              | 2.50  |                   |                   | .40 | .10  |

## ONION SETS

### PRESENT PRICES

For green onions 1 lb. will plant about 25 feet of drill. For large onions 1 lb. for 5 feet of drill. Sets will produce green onions in half the time it takes to raise them from seed. By planting sets a saving of 4 to 6 weeks is made in producing large onions, over the planting of seed. For large onions plant 300 lbs. of sets to the acre. For green onions plant 600 to 1000 lbs.

### YELLOW ONION SETS—PRESENT PRICES

Carriage charges extra—25 lbs., 14c. per lb.; 5 lbs., 20c. per lb.; 1 lb., 25c.  
Postpaid—5 lbs., 30c. per lb.; 1 lb., 35c.

### WHITE ONION SETS—PRESENT PRICES

Carriage charges extra—25 lbs., 18c. per lb.; 5 lbs., 20c. per lb.; 1 lb., 30c.  
Postpaid—5 lbs., 35c. per lb.; 1 lb., 40c.

### SHALLOTS—PRESENT PRICES

Carriage charges extra—10 lbs., 15c. per lb.; 1 lb., 25c.  
Postpaid—5 lbs., 25c. per lb.; 1 lb., 35c.

**GARLIC SETS.** Postpaid, 50c. lb.



Yellow Globe Danvers Onions



Onion Sets



# KEITH'S GARDEN PEAS



Keith's Gradus Peas

GOOD TO  
LOOK AT

BETTER  
TO EAT

## Keith's Onion Seed

I have been growing onions all my life. The best crop I ever had I grew from Keith's Yellow Globe Danvers Onion Seed last season. I planted 2 lbs. on  $\frac{3}{4}$  of an acre and produced 7500 lbs. of choice onions.

Sincerely yours,

(Signed) GEO. WEST

Pickering

## THE GARDEN'S TASTIEST VEGETABLE

The peas which we offer have been grown by experts with years of experience, and they are true to type, bright, clean, sound seed, showing strong germination. Peas are considered by most to be the tastiest vegetable they can raise in the garden.

For early peas the soil should be light and warm. For general crop a moderately heavy soil is better.

Where there is plenty of room we would plant all varieties comparatively early, depending for succession upon selecting sorts that follow each other, but many make plantings up to July 1st.

**Quantity to Sow.** Very few people sow enough peas. For a family of five or six people and a liberal supply you would require your plot for all varieties to be about 30 feet by 30 feet. This would take about 2 to 3 lbs. 1 lb. plants 100 feet of drill, 2 bushels for an acre.

The wrinkled varieties are more sensitive to cold wet weather than the smooth sorts, and if ground is wet and cold are more liable to rot.

Plant in rows 2 to 3 feet apart. It is well to make a four inch furrow. Cover the seed 1 inch and as the plants grow cover gradually until level, let the furrows be broad at the base so the seed may be well distributed. The tall varieties do better with supports, in very rich garden soil.

The Alaska is ready for use in about 50 to 60 days from planting, the later varieties in 70 to 85 days.

The earliest variety of Peas and the surest to make a crop is the Alaska. They grow about knee high and set very full of rather small dark green pods, which are almost all ready to pick at one picking. Market gardeners especially are advised to plant heavily of this variety, as it is a great money-maker. Plant very early. Can be sown while frost is still in the ground.

**American Wonder and Little Marvel.** Have vines about 15 inches. They respond quickly to high cultivation and are ready for picking a few days later than the Alaska. The sugar content and quality is better. Ready for picking in 60 days from planting.

**The Thomas Laxton and The Gradus.** Have vines about 2 to 2½ feet. Pods about 4 inches. We find these two varieties are much akin and both give a high yield of first quality large peas. Crop is ready to pick about the same time as the American Wonder.

**Dwarf Defiance, Dwarf Telephone and Strategem.** Are all very fine main crop sorts. Large pods and peas that delight the most particular taste. Vine about 2 feet. Pods about 4½ inches. They all are ready to pick in about 70 to 75 days, from planting.

**Garden Peas.** This lot of wrinkled peas was grown by a farmer who was not sure of the variety. On this account we can offer it at a reduced price. The seed is a fine sample, and shows high germination. Those growing for market in large quantities will find these to be a great saving in seed cost, and will also find that they will have abundance of splendid green peas.

### GARDEN PEAS

—CARRIAGE CHARGES EXTRA—  
5 lbs. or over, at per lb. 1 lb.

|                               |     |     |
|-------------------------------|-----|-----|
| Alaska.....                   | .16 | .30 |
| American Wonder.....          | .20 | .30 |
| Peter Pan or Blue Bantam..... | .30 | .35 |
| Little Marvel.....            | .23 | .30 |
| Gradus or Prosperity.....     | .23 | .30 |
| Thomas Laxton.....            | .25 | .30 |
| Dwarf Defiance.....           | .30 | .35 |
| Dwarf Telephone.....          | .22 | .30 |
| Strategem.....                | .25 | .30 |
| Garden Peas.....              | .15 | .20 |

### POSTPAID PRICES

| 5 lbs. or over, at per lb. | 1 lb. | ½ lb. | ¼ lb. |
|----------------------------|-------|-------|-------|
| .26                        | .35   | .25   | .15   |
| .30                        | .40   | .25   | .15   |
| .40                        | .45   | .25   | .15   |
| .30                        | .40   | .25   | .15   |
| .35                        | .40   | .25   | .15   |
| .35                        | .40   | .25   | .15   |
| .40                        | .45   | .25   | .15   |
| .30                        | .40   | .25   | .15   |
| .30                        | .40   | .25   | .15   |
| .25                        | .30   | .20   | .15   |



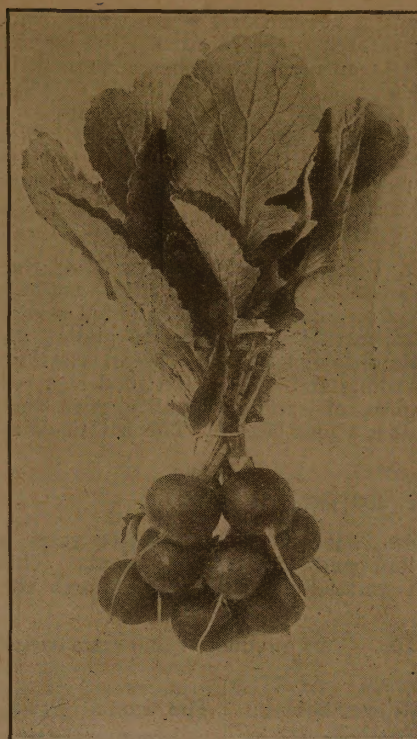
# RADISH

# PUMPKIN

# SQUASH



White Icicle Radish



Keith's Scarlet Globe Radish



Keith's Scarlet Turnip White Tipped Radish

## RADISH

One ounce to 100 feet of row. 8 to 10 lbs. to the acre. 30 to 40 days from seeding to maturity. Quick growth is essential to get the desired quality. This means rich soil and plenty of moisture. Some gardeners avoid planting radishes on ground where cabbage, turnip or radish had been grown the previous season, as a preventive measure against root maggots. Start plantings as early as possible. Successful crops have been raised by even sowing broadcast on the top of the snow in spring, and after crop removed same ground cropped with potatoes or corn. Usually plant in rows 8 to 10 inches apart. Successional plantings can be made every two weeks up till September. In the hot summer moist cool soils or shade are required. Sow winter varieties in July and August. They do best like turnips in the late autumn.

**Keith's Scarlet Turnip White Tipped Radish.** Price, 90c. per lb; ¼ lb, 60c; oz, 15c; pkt, 5c. Our experience in testing all varieties of radish, shows this to be the best early, either for forcing or sowing in the open. Color, bright scarlet tipped with white. We sell more of this variety than all the other varieties put together. Ready to eat in about a month.

**Keith's Scarlet Globe.** Price, per lb, 90c; ½ lb, 60c; oz, 15c; pkt, 5c. Similar to above with exception of white tip. Possibly throws a larger radish.

**French Breakfast.** Price, per lb, 90c; ½ lb, 60c; oz, 15c; pkt, 5c. Olive shaped. Scarlet with white tip.

**White Icicle.** Price, per lb, 90c; ½ lb, 60c; oz, 15c; pkt, 5c. Best pure white. Crisp and tender when young, remaining in condition for use a considerable time. However, successional plantings are required for high quality.

### WINTER VARIETIES

**China Rose.** Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Olive shaped, red. One of the best.

**Round Black Spanish.** Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Flesh, firm and white.

**Long Black Spanish.** Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Flesh, firm and white.

## SQUASH

A fine food for growing children.

The squash is one of the most nutritious and valuable vegetables. The summer varieties are ready for the table early in the summer and the fall and winter sorts can be had from August until the following spring. Plant seed in extra fertile soil, in settled warm weather. The vining varieties in hills 8 to 10 feet apart each way and the bush varieties 4 to 5 feet. When plants are well started thin out to 3 plants to the hill. Squash can be grown satisfactorily with corn. Follow the method recommended for pumpkin. 1 oz. seed for 25 hills. Running varieties four pounds per acre; Bush varieties six pounds per acre.

### AUTUMN AND WINTER VARIETIES

**Keith's Improved Hubbard.** Price, per lb, \$2.00; ½ lb, \$1.25; ¼ lb, 75c; oz, 25c; pkt, 5c. Our strain is the finest grown. The vines are strong and of running growth. Fruit dark green. Delicious. Price, per lb, \$2.00; ½ lb, \$1.25; ¼ lb, 75c; oz, 25c; pkt, 5c. Medium size. Vines of running growth. Very fine flavor. For private garden select this variety.

### SUMMER VARIETIES

**Golden Hubbard.** Price, per lb, \$2.00; ½ lb, \$1.25; ¼ lb, 75c; oz, 25c. pkt, 5c. Like the Green Hubbard, but is earlier, and has a golden shell. Running variety.

**Long White Bush.** Price, per lb, \$1.90; ½ lb, \$1.00; ¼ lb, 70c; oz, 20c; pkt, 5c. Bush growth. This is the earliest of the summer squashes. The skin white, flesh tender and good quality.

**Golden Summer Crook Neck (Bush).** Price, per lb, \$1.50; ½ lb, 85c; ¼ lb, 50c; oz, 20c; pkt, 5c. We like this variety the best of the early squashes. Fruit about a foot long. Use before the shell gets hard. It is very productive.

**Vegetable Marrow.** Price, per lb, \$1.90; ½ lb, \$1.00; ¼ lb, 70c; oz, 20c; pkt, 5c. A delicious English variety. Bush type. Skin greenish white. Flesh white, soft and of good flavor.

## PUMPKIN

One ounce of seed will plant 25 hills. Four pounds per acre. Plant in June. This crop can be grown as a companion crop for corn. Plant in hills in every fourth row of corn. Have the hills 10 feet apart. When the vines begin to run, when cultivating omit these rows, otherwise the vines will be injured. In some districts it is considered the thing to plant this crop in the orchard among the trees, hills 10 feet apart each way. Cultivate shallow.

**Keith's Pie Pumpkin.** Price, per lb, 50c; ½ lb, 30c; oz, 15c; pkt, 5c. A fair sized pumpkin, sweet and of good quality.

**Japanese Pie.** Irregular shape, delicate flavor. Price, per lb, \$1.50; oz, 10c.; pkts. 5c.

**Common Field.** Price, per lb. 50c.; oz. 15c.; pkts. 5c.



# KEITH'S DEPENDABLE TOMATO SEED



## USE Wood Plant Band

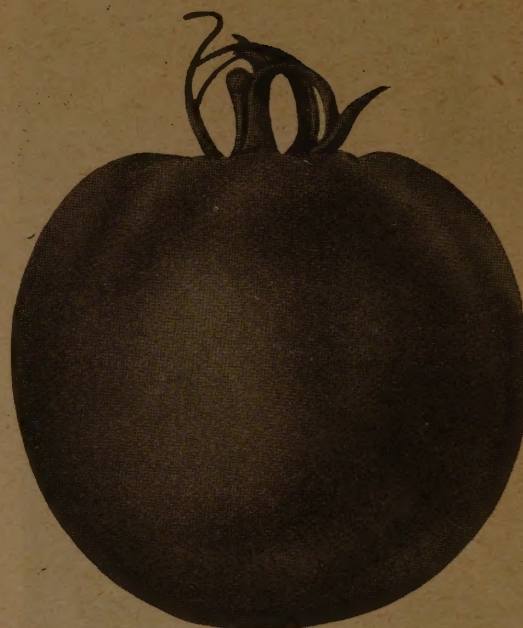
For Your Tomato Plants

3½ x 3½ x 3½ inches  
\$5.50 per 1000; 75c. per 100

3 x 2½ x 2½ inches  
\$5.00 per 1000; 75c. per 100

Sow the seeds in hot-bed or a warm sunny place in the house in March or early April. For strong plants it is best to transplant them when 2 inches high, allowing 4 inches each way, or in bands or pots, then when danger of frost is past transplant to open ground. If using stakes have plants 12 to 18 inches apart, with rows 3 feet apart. If not staking set plants out 4 feet apart each way. 1 oz. for 1500 plants; ¼ lb. per acre, if transplanted.

**Keith's Alacrity.** Price, oz., \$1.00; pkt., 25c. Our strain of this variety is undoubtedly the very best and earliest of all tomatoes. It originated at the Central Experimental Farm, Ottawa, and is the result of a number of years very careful selection. The fruit is round and deep with a good rich red color, flesh firm, of excellent quality, with very few seeds. It is a good bearer. This is Canadian-grown seed.



Keith's Alacrity Tomato

**Alacrity.** American grown seed. Price, ¼ lb., \$1.25; oz., 40c; pkt., 10c.

**Keith's Earliana.** Price, ¼ lb., \$2.00; oz., 75c; pkt., 25c. For the last five years a selection of Earliana has been made of the earliest and best cropping plants. This necessarily means higher cost of production. We can assure you that it is worth the difference.

**Spark's Earliana.** Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. Very productive and extra early. Fruit of fair size, round, smooth and solid.

**Bonny Best.** Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. Midway between Earliana and Chalk's Jewel for earliness. Heavy cropper of fine clean fruit.

**Chalk's Early Jewel.** Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. From seeds planted at the same time and with plants grown under the same conditions. Early Jewel is only about one week later in ripening the first fruits than Spark's Earliana, while it is a much more desirable variety in many ways. The plants are of strong, robust growth, and ample foliage to protect the fruit from sun scald, and the foliage is not subject to blight. The fruit is bright scarlet and of finest quality for table use. Very prolific.

**The Stone.** Price, ¼ lb., \$1.10; oz., 35c; pkt., 10c. The best main crop variety. A bright scarlet perfectly smooth tomato. Always dependable. Very vigorous and productive.

**John Baer.** Price, ¼ lb., \$1.50; oz., 50c; pkt., 10c. Medium early. Vigorous grower.

**Carter's Sunrise.** Price, oz., \$1.00; pkt., 25c. A great favorite in the private garden. Fruit grows in clusters like grapes. Originally a hot-house tomato in England. Requires to be staked and well pruned.

## KEITH'S QUALITY FLOWER SEEDS

GROW YOUR OWN FLOWERS, IT'S LOTS MORE FUN!

### COLLECTION OF FLOWER SEEDS

#### "When Dreams Come True" Collection for \$1.00

We will mail one packet each of the following sixteen beautiful free-flowering flowers, that will give you an abundance of blooms from May until late fall for \$1.00. If purchased separately this collection would cost \$1.60.

|           |                            |                            |               |
|-----------|----------------------------|----------------------------|---------------|
| Alyssum   | Candytuft                  | Gypsophila (Baby's Breath) | Marigolds     |
| Asters    | Batchelor's Button         | Helichrysum                | Nasturtium    |
| Balsam    | Calliopsis                 | Hollyhocks                 | Shirley Poppy |
| Calendula | Eschscholtzia (Cal. Poppy) | Larkspur                   | Zinnia        |

#### Cut Flower Collection \$1.00

We will send this splendid assortment of cut flowers for \$1.00. If ordered separately would cost \$1.60.

|              |           |             |          |
|--------------|-----------|-------------|----------|
| Antirrhinums | Celosia   | Helichrysum | Scabiosa |
| Asters       | Centaurea | Marigold    | Verbena  |
| Calendula    | Cosmos    | Mignonette  | Zinnia   |
| Calliopsis   | Dianthus  | Nasturtium  |          |

#### Children's Garden Collection 25c.

Every child loves to dig; give them this collection of seeds and they will have the time of their lives. We send one packet each of the following for 25c.

|             |           |           |                   |
|-------------|-----------|-----------|-------------------|
| Nasturtiums | Portulaca | Calendula | Ornamental Gourds |
|-------------|-----------|-----------|-------------------|

#### Hardy (Perennial) Garden Collection \$1.00

We will send one packet each of the following beautiful Hardy garden flowers for \$1.00.

|           |                  |                     |                   |
|-----------|------------------|---------------------|-------------------|
| Arabis    | Canterbury Bells | Hollyhocks          | Sweet William     |
| Aquilegia | Delphinium       | Lupinus polyphyllus | Perennial Poppies |
| Coreopsis | Gaillardia       | Pyrethrum           |                   |



# MISCELLANEOUS VEGETABLES



Chinese Celery Cabbage

**ARTICHOKE ROOTS.** By express, 70c. per peck, 3 lbs. for 50c., or 20c. lb. postpaid. Cultivate like potatoes in rows at least 30 inches apart and 30 inches between plants. Dig in the fall and have land thoroughly turned over. Store as you would potatoes. The demand for good artichokes is increasing.

**BORECOLE OR KALE.** Price, oz., 20c; pkt., 5c. A member of the cabbage family which does not head up. The leaves are like giant parsley in appearance and are used principally for greens, cooked in the same way as spinach. Seed sown out of doors in May or June and cultivated as you would cabbage will give good plants in the fall. Freezing is supposed to improve the flavor.

**BRUSSELS SPROUTS.** Price, oz., 50c; pkt., 10c. Successful crops are raised from planting outside in May. The culture is very similar to that of late cabbage. Care should be taken to break down the lower leaves in the early fall, in order that the small heads will have more room to grow.

**CHINESE CELERY CABBAGE.** Price,  $\frac{1}{4}$  lb., \$1.00; oz., 35c; pkt., 10c. As a salad to be served with mayonnaise or French dressing we emphatically urge its more general use. It may also be used in the same manner as cabbage, giving a dish which resembles cabbage in appearance, and tasting somewhat like the first cabbage out of your garden. It is not only more nutritious than lettuce but it is a better keeper, and is far cheaper to grow. Produces quickly from seed sown in the open ground after May 15th, or at the same time as turnips. Early plantings run quickly to seed in hot weather. Sow in drills 14 to 20 inches apart and thin out to about 15 inches. A period of 100 to 120 days is required to bring heads to full size. Out experience shows it to be a cool weather plant and that the best heads formed after the hot weather and remained in splendid condition right up till hard frost. The head is solid and self blanching. Its average size is about 12 inches long and 4 inches in diameter.

**WITLOFF CHICORY OR FRENCH ENDIVE.** Price,  $\frac{1}{4}$  lb., \$1.50; oz., 50; pkt., 10c. Makes one of the most delicious of winter salads. Sow in the ground not later than June in drills 12 inches to 18 inches apart. Thin out the seedlings to about 4 inches. The plants are lifted in the fall and stored in sand until wanted for forcing. To force, plant upright in earth in the bottom of a barrel so that the roots are covered with damp earth. Put cover on top of barrel to keep out the light. Then place the barrel in a warm part of the cellar, temperature 60-70 degrees.

**CORN SALAD.** Price, oz., 20c; pkt., 5c. This is a small, quick growing plant for late fall, winter and spring use. The leaves are used as a substitute for lettuce and spinach. During August and September sow the seed in shallow drills about 1 foot apart, covering with about one-fourth inch of fine soil firmly pressed down. On the approach of severe cold weather cover with straw or coarse litter. The plants will also do well if seed is sown very early in spring and like most salad plants are greatly improved if sown on very rich soil. 1 oz. will sow about 18 square feet.

**CHIVES.** Price, 40c. for 3 bunches of roots. Chives are very hardy perennial members of the onion family. They are grown for their tops. Planted in clumps in any garden soil, they grow readily and increase so as to render a division necessary. The tops appear very early and can be cut throughout the season, and used in salads and for flavoring, etc.

**CITRON. Red Seed.** Price, per lb., 80c;  $\frac{1}{4}$  lb., 35c; oz., 15c; pkt., 5c. Same culture as melons. The best variety for preserves, striped and marbled with light green. Flesh white and solid. Harvest in fall and use as soon as possible or decay soon sets in. One ounce will plant about 25 hills.

**CRESS. Extra Curled.** Price, lb., 50c; oz., 15c; pkt., 5c. If cress is wanted in the best condition new sowings should be made every few days. Sow the seed rather thickly in rows a foot apart, selecting good garden loam.

**CRESS. True Water.** Price, oz., 65c; pkt., 10c. When possible imbed the seeds in the bed of the stream. Care should be taken that no weeds interfere with the growth. Clean, pure running water is essential.

**EGG PLANT. Black Beauty.** Price, oz., 50c; pkt., 10c. **New York Improved.** Price, oz., 50c; pkt., 10c. Sow seeds in hot bed in March. When three inches high pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stalky. Plant out in the open ground in early June. Set plants 2 feet apart with rows three feet apart.

**ENDIVE. Green Curled.** Price, oz., 20c; pkt., 10c. For early crop sow seed in flats in the hot-bed or greenhouse. Transplant  $1\frac{1}{2}$  inches apart and finally plant in the garden 12 inches apart in the row. For the late crop the seed should be sown about the 1st of August, thinly in rows 12 to 16 inches apart and plants thinned to 6 inches apart. Treat as lettuce, except as the heads become large enough to use the leaves should be drawn up and tied at the top to blanch the heart and make it tender. Should be given plenty of water.

**KOHL RABI.** This vegetable looks like a cross between a cabbage and a turnip and is better eating than either. The leaves look like cabbage, only smaller. It makes a sort of turnip, but above ground. It is a plant deserving of a place in every home garden. Save for cauliflower it is superior in quality to any of the cabbage group. Should be used while less than 3 inches in diameter. Plant at intervals from April to Aug. 1st. Grow it like you would a cabbage. Matures in about 2 months, White Vienna being the earliest. **Early White Vienna.** Price, oz., 25c; pkt., 10c. **Purple Vienna.** Price, oz., 25c; pkt., 10c.



# MISCELLANEOUS VEGETABLES AND HERBS

**LEEKs.** Seed is usually sown out of doors in rows 15 inches apart and the young plants thinned two to three inches apart. The crop should be handled a good deal the same way as onions. It is advisable to draw some earth up around the plants towards the end of the season.  
Musselburgh. Price, oz., 30c; pkt., 10c. Very hardy. Leaves fan shaped and dark green.

**MUSHROOMS.** If you require information about the culture of mushrooms we would advise you to write the Central Experimental Farm, Dominion of Canada, for pamphlet No. 22.  
Keith's Mushroom Spawn. Price per brick, 35c; postpaid, 50c. This is the best that money can buy.

**MUSTARD.** Price, per lb., 75c; oz., 15c; pkt., 5c. Seed planted in rows 12 to 14 inches apart. Sow seed somewhat thicker than lettuce early in the spring with successional plantings every two weeks. The tender young leaves are used for salad purposes and later for greens the same as spinach. Market gardeners plant this inside or in frames during the winter similar to cress.

**PARSLEY.** Market Gardeners' Best. Price, per lb., \$1.00; ½ lb., 60c; ¼ lb., 30c; oz., 20c; pkt., 5c. Sow seed thickly early in the spring in rows one foot apart and ½ inch deep. As the seed is slow in germination, 3 to 4 weeks, it is rather a good idea to plant with the seed a few lettuce seeds to mark the rows and break the crust.

**SEED POTATOES.** Observe that prices quoted are present prices only. If we can possibly fill your order at these prices we will do so. We are endeavoring to secure some seed registered by the Government of the varieties of Cobbler and Green Mountain. If you are interested in the very best, as most market gardeners are, write for prices.

**Irish Cobbler.** Present price per bag, \$2.00. When this variety is kept up, and a selection made of a strain that is true to type and that is free from disease, a splendid crop of fine white-skinned potatoes will be the result. Stock offered herewith is selected, clean, medium to large potatoes. Ordinary stock. Present price, \$1.50.

**Green Mountain.** A large, handsome, oval white potato. One of the finest eating potatoes known to the trade. Selected stock. Present price per bag, \$2.00. Ordinary stock. Present price per bag, \$1.50.

**SPINACH.** Spinach grows easily in spring and fall, but not so well in summer. Make first sowing as early as possible and repeat at intervals until June 1st. Sowings for fall use may be made from August 1st to Sept. 10th. To winter over for Spring use sow from middle September to middle October, according to season. Rows 1 foot apart and plants 2 inches apart in row. For summer we recommend New Zealand (see description below). One ounce to 50 feet of drill. 12 lbs. to the acre.  
**Extra Large Leaved or Giant Flanders.** Price, per lb., 40c; ½ lb. 35c; ¼ lb., 25c; oz., 15c; pkt., 5c.

**New Zealand.** Price, oz., 20c; pkt., 10c. New Zealand Spinach germinates slowly and in seeding stage growth is not rapid (to hasten germination soak seeds for a day or two). When plants get well started growth is vigorous. Thrives in hot weather and on any soil, rich or poor. The plant is of spreading habit and after cutting throws out new growth. Plant early—Rows 2 to 3 ft. apart. Thin plants to 1 ft. apart. Our experience last season showed that a 50 foot row will give ample supply of finest greens for family of five all through the summer and fall and that it was the best vegetable we had in the garden. Cook leaves and tender tips. We feel confident that market gardeners would do well to grow this and fill demand for greens when there is no other fit.

**TURNIPS.** Extra Early White Milan. Price, per lb., \$1.25; oz. 15c; pkt., 5c. Very early, white, tender and sweet.  
Golden Ball (Orange Jelly). Price, per lb., \$1.00; oz., 15c; pkt., 5c. Medium size. The best of the yellow-fleshed turnips. Flesh of excellent quality.

**RHUBARB.** This plant is valuable in every garden. It succeeds best in deep somewhat retentive soil. The richer this is and the deeper it is stirred the better. Sow in drills an inch deep and thin out plants to 6 inches apart. In the fall transplant, setting plants 4 to 6 feet apart each way. When a blossom stalk appears it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed. Rhubarb seed like fruit trees seed cannot be relied upon to reproduce the same strains.  
Victoria Rhubarb. Price, oz., 15c; pkt., 5c.  
Rhubarb Roots. Price, each, by mail postpaid, 25c; \$1.50 per dozen by express at purchaser's expense. ■

## HERBS

**GROW YOUR OWN HERBS,** and have your flavoring, seasonings, and perfumes at hand in your garden.

**ANISE.** Pkt., 10c; oz., 20c. Sow in a permanent bed early in spring. Requires no particular care. Plants 14 inches high with finely divided stem leaves, resembling fennel. Used for garnishing and seasoning.

**CARAWAY.** Pkt., 10c; oz., 25c. Plants 12 to 24 inches high. Sow early in spring and thin out. The seeds are not produced until the second year.

**CORIANDER.** Pkt., 10c; oz., 25c. Sow early in spring. Plants 24 inches high. Seeds are used in confectionery.

**DILL.** Pkt., 10c; oz., 15c. Plants 24 inches high. Sow early in permanent beds and later thin out. The seeds are used as a condiment and for pickling.

**FLORENCE FENNEL.** Pkt., 10c; oz., 25c. Annual. Grown specially for the enlarged leaf stalks at base of stem. As soon as stem gets about 1½ inches thick they should be "earthed up." Used as a salad.

**SWEET FENNEL.** Pkt., 10c; oz., 25c. Sow in fall if seed is wanted early in spring for foliage. Used as a salad.

**HOREHOUND.** Pkt., 10c; oz., 45c. Sow in spring in permanent beds, later thin.

**LAVENDER.** Pkt., 10c; oz., 50c. Plant in spring in permanent beds, where it will grow for years.

**MARJORAM.** Pkt., 10c; oz., 50c. Sow in April, later thin. Leaves and shoots are used for seasoning.

**SAGE.** Pkt., 10c; oz., 50c. Sow either in spring or fall in permanent beds.

**SUMMER SAVORY.** Pkt., 10c; oz., 50c. Eight to 10 inches high. Sow early in spring in beds or start in hot bed.

**THYME.** Pkt., 10c; oz., 50c. Sow early in spring. Leaves and shoots used for seasoning while green or dried.

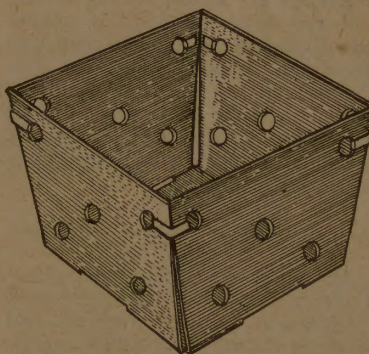
**WINTER SAVORY.** Pkt., 10c; oz., \$1.00

**WORMWOOD.** Pkt., 10c; oz., 50c. Four feet high. Sown in permanent beds and given protection during the winter will last for years. A medicinal herb beneficial for poultry and should be planted in every poultry yard.

## QUART BERRY BOXES

WOOD

\$6.50 per 1000 Bundle of 250 for \$2.00  
27 Box Crates, 35c. each.



PAPER

Heavy Waxed as Illustrated.

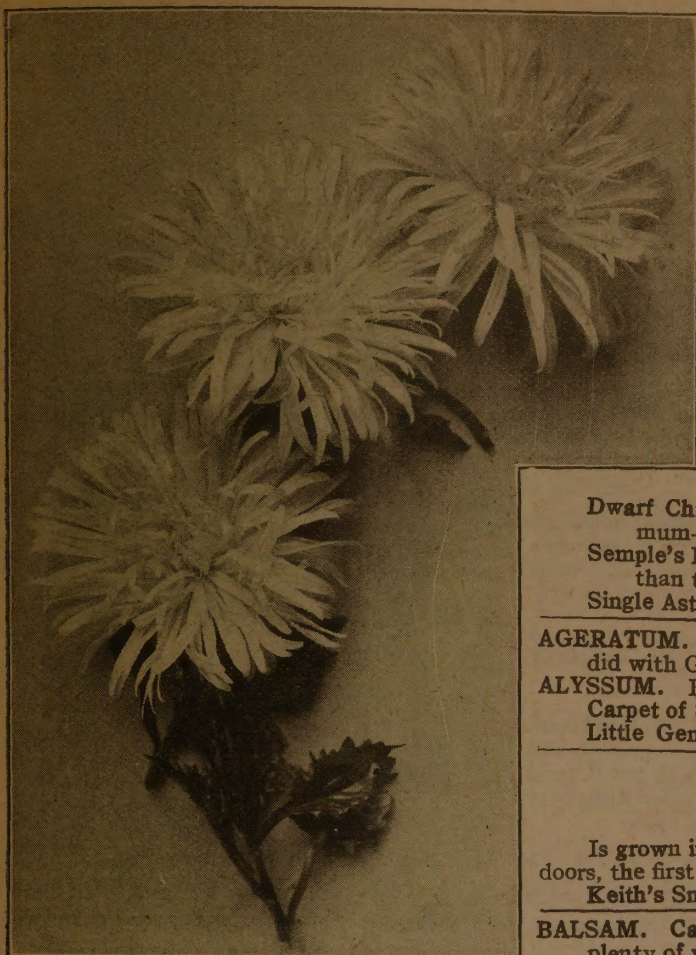
Packed 150 in wooden shipping crate 27 box size, for \$1.25.

1000 packed in 7 (27 box size) crates, for \$8.50

## PLANT BOXES \$15.00 per 1000



# KEITH'S QUALITY FLOWER SEEDS



Ostrich Feathered Aster

All orders should include Flower seeds. Our plan of listing the varieties most called for and the best strains of these varieties, has gained for us the confidence of our customers. Grow your own flowers, it's lot more fun.

**ASTER** Prices of all varieties: Oz, \$2.50;  $\frac{1}{4}$  oz, 75c; Pkt, 10c.

Set of any five packets, your selection, 30c.

Leaflet "How to Grow Asters," mailed on request.

Victoria. Keith's Strain of Victoria Asters will give the best results in the home garden. Separate colors—white, pink, lavender, scarlet, blue, mixed colors.

Comet. Keith's Strain of Comet Aster is easy to raise, very double and a good bloomer. Separate colors—white, lavender, pink, crimson, blue, mixed colors.

Ostrich Feathered. Sturdy plants. Throws great show of beautiful flowers on long stems. Valuable for cutting. Separate colors—white, shell pink, mixed colors.

Dwarf Chrysanthemum Flowered. Grows ten to twelve inches high. Large Chrysanthemum-like flowers. White, mixed colors.

Simple's Branching. Large flowers. Very double, on long stems. A little later blooming than the Comet. Separate colors—white, rose, pink, crimson, lavender, mixed colors.

Single Asters. Separate colors—crimson, violet, pink.

AGERATUM. Blue Perfection. Price, pkt, 10c. Height, one foot. Easy to raise. Splendid with Geraniums, Candytuft or Alyssum.

ALYSSUM. Easy to raise from Spring sown seeds. The Queen of Border Plants.

Carpet of Snow. Very dwarf, pure white. Price, oz, 50c; pkt, 5c.

Little Gem. Price, oz, 50c; Pkt, 5c.

## ANTIRRHINUM or SNAPDRAGON

Prices of all varieties:  $\frac{1}{4}$  oz, \$1.00; Pkt, 10c.

Is grown in almost every garden. It rivals the Aster in popularity. Seed sown out of doors, the first week in May blooms early in July, remaining in flower until November.

Keith's Snapdragon. Separate colors—white, purple, lemon, pink, crimson, or mixed.

BALSAM. Camelia Flowered Double Mixed. Price, Pkt, 10c. Loves hot sun, rich soil and plenty of water. Plant in open ground in May.

CALENDULA or SCOTCH MARIGOLD. Price, pkt, 10c. Very easily grown. Fine for cut flowers all Summer long, and especially good late in the Fall. Orange, sulphur brown, mixed.

CALLIOPSIS. Choice Mixed. Price, pkt, 10c. Somewhat like a daisy in form. Clear yellow

and sulphur browns. Sow in open ground in Spring. Give the plants plenty of room.

CANARY BIRD CREEPER. Price, oz, 30c; pkt, 10c. A quick-growing annual climber.

CANDYTUFT. Price, oz, 50c; pkt, 10c. Empress white—Crimson—or Keith's Mixed.

CARNATION. Marguerite. Price, pkt, 10c. If started indoors, will flower same season.

CENTAUREA. Blue Bottle, Ragged Sailor, Batchelor's Button, Corn Flower, Cyanus—Very hardy and simplest culture. Price, oz, 25c; pkt, 10c.

Moschatta, Sweet Sultan. Mixed colors. Oz, 25c; pkt, 10c.

CLARKIA. Carmine Rose, pkt, 10c. Sow out-of-doors in early Spring—and grow in partial shade.

COBAEA SCANDENS. Price, pkt, 10c. A rapid climber, with large purple bell-shaped flowers.

COCKSCOMB. Dwarf Mixed. Pkt, 10c. Free blooming annuals, growing best in light soil, not too rich.

CONVOLVULUS MAJOR (Morning Glory.) Finest Mixed. Price, pkt, 10c; oz, 15c;  $\frac{1}{4}$  lb, 30c. One of the best free flowering and rapid growing climbers. Suitable for growing on arbors, fences, trellis, etc.

COSMOS. Extra Early Flowering. Price, pkt, 10c; oz, \$1.50. Separate colors—white, pink, crimson, or mixed. Strong, tall-growing annual. Best to start seeds inside. If topped when half grown, they will bloom more quickly. Sandy or poor soil in sunny situation is best. Under good care will bloom in July and continue to late Autumn.

CORN FLOWER. (See Centaurea Cyanus.)

CYPRESS VINE (Ipomoea Quamoclit.) Mixed. Price, pkt, 10c. Of all climbers, this is the quickest and most luxuriant in growth. For early bloom start inside.

DAHLIA. Double Mixed, pkt, 10c; Cactus Mixed, pkt, 10c. Dahlias can be grown easily from seed so as to produce flowers the first year. For best results sow early in March in shallow pans.

DIANTHUS or PINK. New Hybrids. All shades mixed. Pkt, 10c.

Chinensis. Mixed. Pkt, 10c.

Blooms first year, and if covered during Winter will bloom next year also. Old plants flower earliest. New plants finest flowers. Plant early indoors, transplant twelve inches apart each way. Transplanting when sown in the open is not recommended.

ESCHSCHOLTZIA (California Poppy.) Mixed, Pkt, 10c; oz, 25c.

An annual, exceedingly easy to grow. We plant early in Spring, broadcast, in as large a bed as possible. The plants are about one foot high. Bloom comes in a great variety of shades. Starts to bloom early and continues all through the Summer. It is as charming an annual as one could wish for.



Marguerite Carnation



# MARIGOLDS

# MIGNONETTE

# FOUR O'CLOCK

(See Marvel of Peru)



Cosmos (See page 25)

**GYPSOPHILA** (Baby's Breath). White. Pkt, 10c. This pleasing flower should be in every garden. The flowers are small, star-like and borne in feathery sprays. Free flowering, easily raised.

**GOURDS**. Mixed Varieties. Pkt, 10c. Of rapid growth, with curious fruits and ornamental foliage. Cultivate same as melons.

**HELICHRYSUM**. Double, Chrysanthemum flowered. Pkt, 10c. Best "everlastings." To dry cut when about one-third open, remove all leaves and hang head downwards in a dark dry place until cured.

**HELIOTROPE**. Finest Mixed. Pkt, 10c. A universal favorite on account of its delightful fragrance.

**HOLLYHOCK** (Everblooming Annual). Choice Mixed. Pkt, 10c. The plants are vigorous in growth and naturally branching in habit, and if given good treatment will thrive luxuriantly. (See also page 29.)

**HUMULUS JAPONICUS**. Pkt, 10c. One of the most rapid Annual Climbers growing 15 to 20 feet. From May sown seed—lively green foliage.

**IPOMOEA**. Bona Nox. Large Blue. Pkt, 10c. Quick growing Climbers. Unsurpassed for covering trellises or fences. Soak seeds over night before planting.

**KOCHIA** (Summer Cypress). Pkt, 10c. A splendid ornamental annual, growing two to two and one-half feet high. The slender-leaved plants are of a cypress-like appearance during Summer. Forms decorative bushes on the lawn.

**LARKSPUR**. Mixed Colors. Pkt, 10c. Treat as a hardy annual. Rather cool soil is preferable. Plant early in the Spring. Height, one and one-half feet. This is easily raised and is a splendid annual—gives any quantity of bloom all summer.

**LOBELIA**. Mixed. Pkt, 10c. Blooms very quickly from seed and continue gay with flowers all through the season. Sow early where the plants are to grow and thin moderately.

**LUPINUS**. Annual Varieties. Mixed. Pkt, 10c. Easily grown. One to three feet, long loose pea like flowers. All summer.

**MORNING GLORY**. (See Convolvulus, also Ipomoea.)

**MARIGOLD**. Prince of Orange, African. Pkt, 10c.

Lemon Queen, African. Pkt, 10c.

Finest Mixed, French. Pkt, 10c.

Calendula or Scotch Marigold. Orange Sulphur Brown. Mixed. Pkt, 10c.

Average height, one to two feet. Hardy annuals. We have very fine strains.

**MARVEL OF PERU** (Four O'Clock). Mixed. Pkt, 10c; oz, 35c. Flowers August and September. Hardy Annual. Bloom variegated. Sweet scented. One to two feet.

**MIGNONETTE**. Bismarck. An improved selection of Machet. Large golden yellow spikes. Pkt, 10c; oz, 50c.

Machet. Strong, bold flowers. Pkt, 10c; oz, 30c.

Giant Pyramidal. One to one and one-half feet. Large flowers. Pkt, 10c; oz, 30c. Successive sowings are recommended. Sow at any time, starting indoors.



Calliopsis or Coreopsis (See page 25 and 29)



Nicotiana (See page 27)



# NASTURTIUM - PETUNIAS - POPPY - PANSY



Hollyhock  
See page 26 and 29

MOON FLOWER. (See Ipomoea).

MOURNING BRIDE. (See Scabious).

MYOSOTIS. (See Forget-Me-Not).

## Keith's Choice Petunias

NIGELLA (Love-in-a-mist). Mixed Colors. Pkt, 10c. A compact, free flowering plant, with finely-cut foliage, 18 inches high. successive plantings—do not transplant.

## NASTURTIUM.

Keith's Special Mixture Dwarf Nasturtiums. Oz. pkt, 25c; lb, \$2.00.

Keith's Special Mixture Tall or Climbing Nasturtiums. Oz. Pkt, 20c; lb, \$1.75.

No other flower will give you as much bloom for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in the thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate. If your ground is rich, give each plant plenty of room. We have the best stock that can be got, no matter what is said or what price is asked by others.

NICOTIANA. Affinis. Pure White. Pkt, 10c. Sanderae Hybrids. Mixed Colors. Pkt, 10c. Very fragrant. Half Hardy Annual. Large flowers. Plant grows to three feet.

POPPY. Annual Varieties. Pæony. Flowered Double Mixed. Pkt, 10c; oz, 35c. Shirley. Single, indescribably bright, dainty and gauzy. A favorite for cutting. Pkt, 10c; oz, 35c. Carnation Flowered Double Mixed. Very double fringed. Pkt, 10c; oz, 35c. Single Flowered Mixed. Pkt, 10c; oz, 35c.

Sandy loam suits Poppies best, and as their strong tap roots are difficult to transplant, it is well to sow seed where the plants are to bloom. The best plants are those grown from early sowings, while the earth is cool and moist. Start early in the Spring and plant at intervals. All are easily cultivated and greatly admired. Average height, one foot.

PORTULACA. Improved Single Mixed. Pkt, 10c; oz, 50c. Improved Double Mixed, Pkt, 20c.

PINKS. (See Dianthus.)

## PANSY.

Trimardeau Giant Lord Beaconsfield. Lavender and purple. Pkt, 10c; ½ oz, \$1.00. Peacock. Large peacock blue, edged with white. Pkt, 10c; ½ oz, \$1.00. Dr. Faust. Black. Pkt, 10c; ½ oz, \$1.00. Keith's Best Mixture. All Colors. Pkt, 10c; ½ oz, 75c. Good Mixture. Pkt, 10c; ½ oz, 50c.

Seed, if sown in February in a gentle heat, will produce plants ready to prick off in a cold frame in April, and to plant out in May. These will bloom well in August and September of the same year.

PETUNIAS. Keith's Choice Single Striped and Blotched. Very fine. Pkt, 25c.

Keith's Large Flowering Single Mixed. Pkt, 15c.

Keith's Fine Mixed. Pkt, 10c; ½ oz, 50c.

Sow indoors or in the open very early in the Spring. Be careful to cover seeds lightly, for if sown too deep they will not grow. Once fairly started, Petunias grow almost as easily as weeds, and furnish wonderful bloom from early Summer until frost.

PHLOX DRUMMONDI (Flame Flower.) Grandiflora Choice Mixed. Pkt, 10c.

Average height, one foot. Hardy annual. Few flowers are so easy to grow from seed. First sowings should be made as soon as frost is out of the ground in the Spring. Later sowings in May. Transplants readily.



Keith's Choice Dwarf Nasturtiums



# SWEET PEAS - ZINNIAS - SUNFLOWERS - VERBENA



Keith's Best Mixutre Pansy

## Sweet Peas

Keith's Spencers or Orchid-Flowered Sweet Peas are the highest achievement in 'sweet Peas and are made up of the finest named varieties.

Price, lb, \$2.50;  $\frac{1}{2}$  lb, \$1.00; oz, 25c; pkt, 10c.



Keith's  
Choice  
Sweet  
Peas

Separate Colors—Crimson, Primrose, Rich Maroon, Lavender, Rose Pink, White, Delphinium Blue, or the above colors mixed.

**RICINUS.** (Castor Oil Plant). Mixed. Pkt, 10c; oz, 30c. A tall growing, branching plant. Foliage glistening green and bronze. Eight to ten feet high.

**SALPIGLOSSIS**—Emperor. Mixed. Pkt, 10c; oz, \$1.00. Hardy annual. They are easily grown, require a light, rich, sandy loam, and will respond to liberal treatment. Bloom July to frost. Remarkable coloring.

**SALVIA**—(Scarlet Sage)

**Splendens.** Brilliant Scarlet. Good bedding plants. Earliest to bloom. Pkt, 10c.

**Fireball.** Very dwarf. Two feet. Pkt, 10c. Sow seed indoors in March or April and set plants out of doors latter part of May. The plants grow and bloom profusely in any light, rich soil from August to frost.

**SCABIOSA**—(Mourning Bride) Dwarf Mixed. Pkt, 10c. Another of the old reliables. Two feet high. Commence to flower early in July. Splendid for cutting. Sow seed out doors when frost is past.

**SCARLET RUNNER BEAN.** Pkt, 10c;  $\frac{1}{2}$  lb, 50c; lb, 60c.

**SNAPDRAGON** See Antirrhinum).

**STOCKS.** Mixed large flowering, 10c. pkt. For early flowering start seed in hotbed and transplant into garden in May.

**SUMMER CYPRESS** (See Kochia).

**SUNFLOWER**—Stella (Cucumerifolius).

Handsome, single, large flowers. Primrose Yellow. Four feet. Pkt, 10c; oz, 50c.

**Henry Wilde.** Tall, small-flowered, graceful, single. Pkt, 10c; oz, 50c.

**Double, Dark Yellow.** Two to five feet. Pkt, 10c; oz, 35c.

**Sutton's New Red.** Pkt, 10c.

**SWEET SULTAN** — (See Centaurea Moschata).



Verbena Hybrids

**VERBENA HYBRIDS.** Keith's Selected. Separate Colors—Scarlet, Blue, pure White. or Choice Mixed. Pkt, 10c; oz, \$1.00.

**ZINNIA ELEGANS.** Double White, Double Crimson, Double Purple Golden Yellow. Separate colors. Pkt, 10c. Double Mixed. Pkt, 10c. oz, 50c.



Dahlias, see page 30



# KEITH'S HARDY PERENNIAL FLOWER SEEDS

Hardy or perennial flowers sown this year will flower next year. A few dollars spent in seed will grow to many dollars worth of plants.



Aquilegia (Columbine)

**AQUILEGIA** (Columbine). Long Spurred Choice Mixed. Pkt, 10c. No hardy perennial grown from seed is more easily handled than the Columbine.

**ARABIS** (Rock Cress). Alpina. Pure White, Pkt, 10c. One of the earliest and prettiest of Spring flowers. Unequalled for rockeries or edging. Height 6 inches.

**CARNATION**. Border Varieties. Choice Double Mixed. Pkt, 10c. General favorites on account of the rich colors and profusion of bloom.

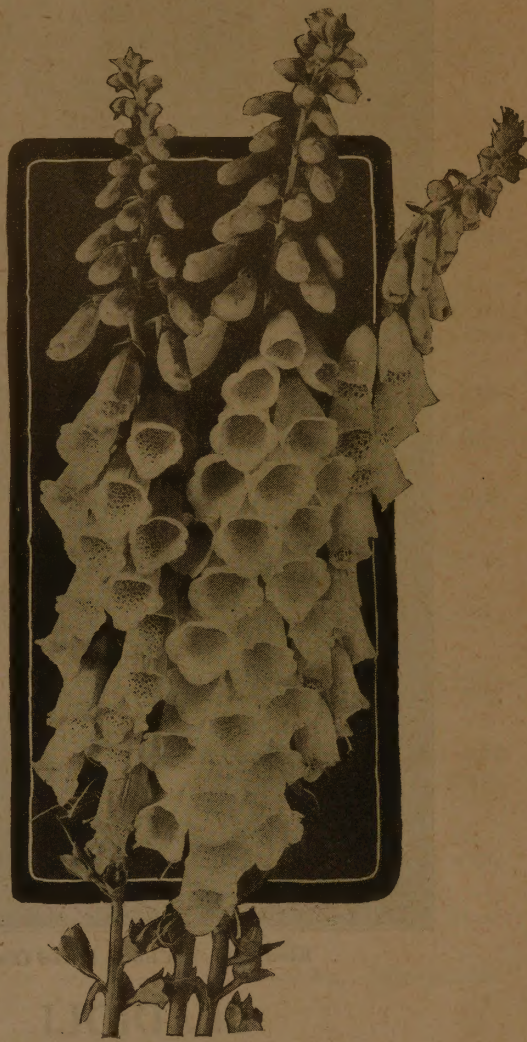
**COREOPSIS**. Lanceolata Grandiflora. Pkt, 10c. A hardy perennial growing about two feet, producing bright yellow flowers in great profusion. Valuable as a cut flower.

**DIGITALIS** (Foxglove). Choice Mixed. Pkt, 10c. Well-known biennial growing three to four feet high, with long spikes of tube-like flowers.

**CANTERBURY BELLS**. Biennial. Separate Colors—Single Rose, Blue, White, or Mixed. Pkt, 10c. They are as easily raised as Pansies. Will bloom first year from seed if sown early.

**DELPHINUM**. Formosum. Dark Blue. Pkt, 10c. Light Blue, Pkt, 10c. These graceful, easily grown perennials are worthy of a prominent place in every hardy plant border.

**FORGET-ME-NOT** (Myosotis). Blue. Pkt, 10c. Half hardy perennial. Will flower the first year if sown early. Does best in a moist, shady spot.



Foxglove

**GAILLARDIA**. Choice Exhibition Strain. Pkt, 25c.; Hybrida Grandiflora, pkt, 10c. Remarkable for the profusion, size and brilliancy of their flowers. Excellent for cutting. Splendid crimson and gold combinations.

**GEUM**. Coccineum Atrosanguineum. Pkt, 10c. A beautiful hardy perennial, bearing showy, double dark crimson flowers. An elegant flower for bouquets. Flowers not unlike Carnations.

**GYPSOPHILA**. Paniculata. Baby's Breath. Pkt, 10c. White and feathery, good for cutting.

**HOLLYHOCKS**. Chater's Prize Mixed. Pkt, 10c. Hollyhocks are among the best of the old garden favorites. For forming a background for other plants, the Hollyhock has no equal.

**LYCHNIS**. (Rose Campion). Chalcedonica Scarlet. Pkt, 10c. Handsome, hardy perennials of easy culture. Will bloom the first year if sown early.

**ICELAND POPPIES** (Papaver Nudicaule). Extra Fine Mixed. Pkt, 10c. These are somewhat like the annual "Shirley," but have a larger range of colors.

**ORIENTAL POPPY**. Pkt, 10c. 2 feet. Very large showy flowers.

**PYRETHRUM**. Hybridum. Mixed. Pkt, 10c. Hardy perennial, bearing large daisy like flowers, ranging in color from white to deep red. One of the most graceful and long lasting cut flowers.

**PERENNIAL PHLOX** (Phlox Decussata). Choice Mixed. Pkt, 10c. The variety of colors and the long continuance of its flowers make this a universal favorite. The seed is very slow and erratic in germinating.

**SHASTA DAISY**. Pkt, 10c. Fine strain of this large flower, like a giant single white daisy, with glossy dark foliage, set plants 1 foot apart.

**SWEET WILLIAM**. Pink Beauty. Pkt, 10c.  
Single Mixed. Pkt, 10c.  
Double Mixed. Pkt, 10c.



Pyrethrum

Hardy, old-fashioned flowers of easy culture. Will succeed in any good garden soil.



# SUMMER FLOWERING BULBS



Keith's Extra Choice Mixed Gladioli

## GLADIOLI

**GLADIOLI.** Easy of culture, with a range of color known to no other garden bulb. Used for massing, bordering or shrubbery work, unexcelled for cutting. With successive plantings flowers can be had from July until frost. We offer a splendid list of choice bulbs.

### PRICES POSTPAID

|                                              | Each | Doz.   | per 100 |
|----------------------------------------------|------|--------|---------|
| America. Soft pink. Large flower.....        | .10  | .85    | \$6.00  |
| Argentina. White America. Large flower....   | .25  | \$2.50 | —       |
| Baron Joseph Hulot. Rich Violet Blue.....    | .15  | 1.25   | 8.00    |
| Empress of India. Dark Velvet Maroon.....    | .10  | 1.00   | 7.00    |
| Flora. Crome yellow.....                     | .15  | 1.25   | 8.00    |
| Glory of Holland. White and Rose.....        | .15  | 1.25   | 8.00    |
| Halley. Salmon Pink—perfectly lovely.....    | .10  | .85    | 6.00    |
| King of the Reds. A lovely Coral Scarlet     | .25  | 1.75   | —       |
| Loveliness. Cream shaded pink.....           | .15  | 1.25   | 8.00    |
| Lady Borden. Pink and White.....             | .25  | 2.50   | —       |
| Lily Lehman. Pure White.....                 | .15  | 1.50   | 8.00    |
| L'Immaculee. Pure White. Very fine.....      | .20  | 1.50   | 10.00   |
| Marechal Foch. Apple blossom pink.....       | .15  | 1.50   | 8.00    |
| Mrs. Francis King. Light scarlet, vigorous,  |      |        |         |
| free bloomer.....                            | .15  | .85    | 6.00    |
| Mrs. Frank Pendleton. A beauty, large pink,  |      |        |         |
| with scarlet.....                            | .15  | 1.25   | 8.00    |
| Niagara. Cream splashed carmine.....         | .10  | 1.00   | 7.00    |
| Peace. Large white feathered pale lilac..... | .10  | 1.00   | 7.00    |
| Princips. Crimson, white on lower petals     | .15  | 1.25   | 8.00    |
| Prince of Wales. Clear dark rose pink.....   | .10  | 1.00   | 7.00    |
| Pink Perfection. Soft rosy pink.....         | .20  | 1.25   | 8.00    |
| Red Emperor. Very large scarlet.....         | .25  | 2.50   | —       |
| Schwaben. Delicate yellow. Large flower...   | .10  | 1.00   | 7.00    |
| War. Blood Red.....                          | .20  | 2.00   | 10.00   |

## GLADIOLI—Continued

### PRIMULANUS VARIETIES

|                                          |     |      |       |
|------------------------------------------|-----|------|-------|
| Atalanta. Salmon, orange, mottled red... | .20 | 2.00 | 10.00 |
| Hermoine. Deep orange.....               | .20 | 2.00 | 10.00 |
| Hesperia. Vivid salmon.....              | .20 | 2.00 | 10.00 |
| Thecla. Sulphur yellow carmine blotch... | .20 | 2.00 | 10.00 |
| Venessa. Salmon with lilac blotch.....   | .20 | 2.00 | 10.00 |

**COLLECTIONS** (No. 1) 1 each of the above (28) named varieties  
\$2.00.

(No. 2) 10 each of the above (28) named varieties,  
\$16.00, (280 bulbs).

(No. 3) 12 bulbs of the above named varieties, our  
selection, .75c.

(No. 4) 100 bulbs of the above named varieties, our  
selection, \$6.00.

|                                               |     |        |
|-----------------------------------------------|-----|--------|
| <b>GLADIOLI in mixture.</b> Keith's best..... | .75 | \$5.00 |
| Good mixed.....                               | .50 | 3.50   |

## DAHLIAS

**Prices.** Any of the varieties listed, 30c. each, postpaid, or 25c. each, buyer paying express.

### DECORATIVE VARIETIES

|                           |                        |
|---------------------------|------------------------|
| Ansonia.....              | Purplish maroon        |
| Conquest.....             | Clearest Red           |
| Sunshine.....             | Light Buff             |
| Duchess of Brunswick..... | Red with Apricot       |
| Saur de Gustave.....      | Between Orange and Red |
| Mrs. Cassett.....         | Pink                   |
| J. R. Baldwin.....        | Silvery Buff           |
| Bystein.....              | Best Bronze            |
| La Grand Manitou.....     | Purple and White       |
| Princess Juliana.....     | Pure White—Extra good  |

### CACTUS VARIETIES

|                           |                |
|---------------------------|----------------|
| White Lady.....           | White          |
| Amos Perry.....           | Scarlet        |
| Fireburst.....            | Bright Scarlet |
| Kangaroo.....             | Red            |
| Countess of Lonsdale..... | Amber          |

### SHOW VARIETIES

|                        |                       |
|------------------------|-----------------------|
| Gloire de Lyon.....    | Largest Pure White    |
| Grand Duke Alexis..... | White shaded Lavender |
| John Bennett.....      | Red and Yellow        |

### COLLERETTE VARIETIES

|                         |                |
|-------------------------|----------------|
| Gaiety.....             | Red and Gold   |
| Gloire de Chambane..... | Red and Yellow |
| Masterpiece.....        | Cream          |

### POM POM VARIETIES

|            |       |
|------------|-------|
| Dotty..... | Pink  |
| Venus..... | White |

## BEGONIAS (Tuberous Rooted)

For bedding plant out in May, 1 inch deep. Keep well watered always. A shady spot is best suited. For pots start any time.

### GIANT SINGLE VARIETIES. Separate Colors

Crimson, Rose, White, Salmon, Yellow. Price, 10c. each; \$1.00 per doz.

### GIANT DOUBLE VARIETIES. Separate Colors

Crimson, Rose, White, Salmon, Yellow. Price, 15c. each; \$1.50 per doz.

### FRILLED VARIETIES. Mixed Colors

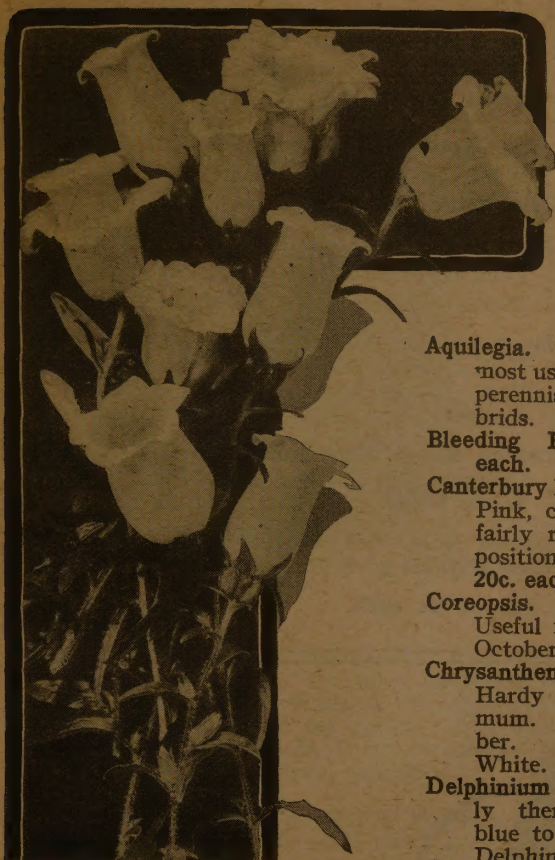
Price, 15c. each; \$1.50 per doz.

## LILIUMS

|                                      |
|--------------------------------------|
| Lilium Auratum. 25c. each.           |
| Speciosum Rubrum. 25c. each.         |
| Speciosum Album. 25c. each.          |
| Tigrinum. 15c. each; \$1.25 per doz. |



# PERENNIAL PLANTS



Canterbury Bell

All orders are sent by Express or Freight at purchaser's expense, packing free—small orders by parcel post.

We furnish strong 2 year old clumps. Dozen rates 15% less. 25 or more at 20% less.

**Aquilegia.** (Columbine). A most useful and satisfactory perennial, long-spurred Hybrids. Price, 20c. each.

**Bleeding Heart.** Price, 35c. each.

**Canterbury Bells.** Blue, White, Pink, charmingly effective, fairly rich soil and sunny position are best. Price, 20c. each.

**Coreopsis.** (Golden Yellow). Useful for cutting, June to October. Price, 25c. each.

**Chrysanthemum.** (Indicum). Hardy border chrysanthemum. August to September. Bronze, Yellow, White. Price, 30c. each.

**Delphinium** (Larkspur). Surely there is nothing in blue to compare with the Delphiniums.

**Delphinium Hybridum.** Selected strain in all shades of blue, 3'-5'. Price, 25c. each.

**Delphinium Belladonna.** Lovely sky blue; early blooming, 3'. Price, 25c. each.

**Delphinium Chinese Larkspur** 1 ft. In blue and white. Price, 25c. each.

## DIANTHUS.

**Plumarius—Garden Pinks.** Invaluable for border work. Very aromatic. Various colors, 1'. Price, 20c. each.

**Barbatus.** Sweet William. Separate colors—White, Scarlet, Pink, Dark Red. Price, 20c. each.

**Foxglove** (Digitalis). Fine for partial shade. Purple, White and Rose. 2'-3'. Price, 25c. each.

**Gaillardia** A most gorgeous, hardy perennial. Golden Yellow. Useful for cutting. Price, 25c. each.

**Geum** (Mrs. Bradshaw). 2', May-June. Large brilliant, double flowers, resembling a carnation. Price, 35c. each.

**Gypsophila** (Baby's Breath). 1'-2'. Price, 25c. each.

**Helenium** (Riverton Gem). 5', late, August-September. Flowers old gold. Price, 30c. each.

**Helenium** (Riverton Beauty). 5', late August to September. Flowers lemon color with dark disc. Price, 30c. each.

**Helianthus.** Perennial sunflower. 5' late, flowers of pale yellow, will grow anywhere. Price, 25c. each.

**Hollyhocks.** Double. Six separate colors, 5'-6'. No garden complete without them. Price, 25c. each. Single, mixed colors, price, 20c. each.

**Iris** (Germanica). In blue, white and yellow shades. Price, 25c. each.

**(Kaempferi).** Large flowers, in blue and white, 3'. Price, 50c. each.

**Paeonies.** 50 named varieties. White, pink, to deep red. State colors wanted. Price, 50c. each.

**Poppy** (Oriental). Bright scarlet. 2½'. Blooms, June and July. Price, 30c. each.

(Iceland). 1'. June-August. Mixed colors. Price, 20c. each.

**Phlox.** 25 named varieties. State colors wanted. 2' to 3'. Price, 30c. each.

**Pyrethrum Roseum.** Persian Daisy. Pink and red. 18". Good rich soil. Price, 20c. each.

**Shasta Daisy.** Large flowers. June and July. Price, 35c. each.

# FLOWERING SHRUBS

All orders are sent by express or freight at purchaser's expense, packing free, small orders sent by parcel post.

**Japanese Barberry.** Makes a splendid low hedge. 9" to 12", price, 35c. each; \$3.00 for 10; \$20.00 for 100. 18", price, 40c. each; 3.50 for 10; \$30.00 for 100.

**Purple Barberry.** 2 to 3 ft, price, 50c. each; \$4.00 for 10. 3 to 4 ft, price, 60c. each; \$5.00 for 10.

**Deutzia.** Pride of Rochester. 2 ft to 3 ft, price, 50c. each; 3 to 4 ft, price, 75c. each.

**Forsythia** (Golden Bell). 2 ft to 3 ft, price, 50c.; 3 to 4 ft, price, 75c. each.

**Hydrangea.** Late flowering. Price, 50c. each; \$4.50 for 10. Flowers August to September. Early flowering. Price, 40c. each; \$3.50 for 10. Undoubtedly the most useful, all-round shrub for this climate.

**Bush Honeysuckle.** White. Flowers May and June, 2'-3', price, 40c. each; 3'-4', price, 60c. each.

Rose. Flowers May and June, 2'-3', price, 50c. each; 3' to 4', price, 75c. each.

**Flowering Crab.** Deep Red, Dark Rose, Flesh Pink, 3'-4', price, \$1.50 each. Makes fine lawn shrubs.

**Syringa or Mock Orange.** Tall growing. Blooms, June-July. White, fragrant. 2'-3', price, 50c. each; 3'-4', price, 70c. each.

**Syringa or Mock Orange** (Dwarf, about 4' high). 1½'-2', price, 40c. each; \$3.50 for 10; \$30.00 for 100.

**Golden Elder.** Strong growing, spreading shrub, with golden foliage. 1½' to 2', price, 40c. each; 2'-3', price, 60c. each; 3'-4', price, 75c. each.

**Spiraea Van Houttei.** Bridal Wreath. White flowers, profuse and graceful. Good for hedges. 1½'-2', price, 35c. each; 3'-4', price, 75c. each. (Ask for prices if large quantity wanted).

**Spiraea.** Arguta Multiflora. Compact, moderate growth. A mass of white bloom in May. 1-1½ ft, price, 40c. each; 1½'-2', price, 60c. each; 2'-3', price, 75c. each.

**Spiraea.** Thunbergii. Medium growth. Pure white flowers in May. 1½'-2', price, 50c. each; 2'-3', price, 75c. each.

**Spiraea.** Billardii. Tall growing. Pink flowering, July-August. 2'-3', price, 40c. each; 3'-4', price, 60c. each.

**Lilac.** Common, 2'-3'. Price, 50c. each.

Charles X. Large clusters, deep purple. 2'-2½', price, \$1.50; Hyazinthenflieder, single purple, 2'-3', price, \$1.50 each; Mme. Casimer Perier, double Creamy White. 2', price, \$1.50 each; Marie Le Graye, pure White, single, one of the best, 2', price, \$1.00 each; 3', price, \$2.00 each; Mirabeau, single, pure rose, 2', price, 75c. each; Paul Heriot, double dark violet red, 2'-2½', price, \$1.50 each; President Fallieres, double clear pink, 2'-2½', price, \$1.50 each; Souvenir de Louis Spaeth, single purple, 2'-2½', price, \$1.50 each.

**Snowball.** 3'-4', price, 60c. each.

**Tamarisk.** Beautiful feather pink flowers. Parvi Florva, 3'-4', price, 75c. each.

# CLIMBING VINES

**Boston Ivy.** Price, 50c. each.

**Trumpet Vine.** Price, 75c. each.

**Clematis Paniculata.** White. Price, 75c. each.

" Jackmanni. Purple. Price, \$1.00.

**Climbing Honeysuckle.** Scarlet, price, \$1.00 each; White, price, 75c. each; Yellow, price, 60c. each.

**Matrimony Vine.** Quick grower. Purple bloom. Price, 60c. each.

## EVERGREENS

**Norway Spruce.** 2'-3'. Several times transplanted for hedges and wind screens. Indispensable for fruit farms. Price, \$30.00 per 100.

**White Spruce.** 2'-3'. A native variety; neat and compact. Good for hedges. Price, \$45.00 per 100.

**Blue Spruce.** 1'-2', price, 75c. each; 2'-3', price, \$1.50 each; 3'-4', price, \$2.50 each.



# HARDY ROSES

All orders are sent by express or freight at purchaser's expense, packing free. Small orders sent by parcel post. Strong 2 year old plants raised and grown in Canada.

**Hybrid Teas.** Best hardy named varieties in Pink, Crimson, Yellow, Scarlet. (State color wanted). Price, 75c. each.

**Hybrid Perpetuals.** Best hardy named varieties in Cherry, Crimson, Pink, White, Soft Rose, Red. (State color wanted). Price, 75c. each.

**Baby Ramblers.** Named varieties in Orange, Red, Yellow, Rose, Scarlet, White, Pink, Geranium Red. 75c. each. (Baby Ramblers flower all summer).

**Climbing Roses, Ramblers.** Named varieties in Crimson, 75c.; Pink, 75c.; Scarlet, \$1.00; White, \$1.00.

**Rugosa Hybrids.** Japanese Rose, Pink, Double Red, 75c.; Silvery Pink, \$1.00. Rugosa Hybrids grow into good-sized shrubs.

**Wild Roses.** Persian Yellow, 75c. each.



EVERY HOME GARDEN REQUIRES ROSES

**Climbing Roses.** Named varieties in Golden Yellow, 75c.; Buff Yellow, \$1.00; Salmon Yellow, \$1.00; White, \$1.00.



Orders sent out after April 15th

## STRAWBERRIES

Prices all varieties Strawberries listed herewith, \$16.00 per 1000; \$1.85 per 100; carriage charges extra. Postpaid—\$2.35 per 100; 45c. per doz.

**Westney.** Early variety. This is a cross between the Williams and Glen Mary. The plant is ideal in growth with large dark green foliage. Berries run larger than most varieties, and ripen early. We recommend this variety.

**Brandywine.** Late variety. A well-known late variety of excellent quality. Makes a moderate number of large healthy plants. For home garden and canning purposes it is hard to beat.

**Williams.** Mid-season variety. As a commercial berry it is hard to find an equal. A great cropper and splendid shipper. The white tip on the end of this berry disappears when fully ripe.

**Glen Mary.** Late variety. This great berry is termed by the Ottawa Experimental Station as one of the most popular commercial varieties. Its plant growth protects the berries well. Berries are large, firm, juicy, and of good quality. In some sections of Ontario this variety is planted almost exclusively.

**William Belt.** Mid-season variety. This variety has been considered the standard of quality for years. Makes a fair stock of healthy plants, which bear a heavy crop. The berries are large in size and somewhat irregular in shape.

## RED RASPBERRIES

**Cuthbert.** (Queen of the Market). Price, per 100, \$7.50; carriage charges extra. Postpaid—dozen, \$1.50. The best known of all red raspberries, and also the most popular. A strong grower, producing a good crop of firm berries, which makes it a splendid shipping variety. Hardly hardy enough for the extreme northern sections of New Ontario.

## CURRANTS—GOOSEBERRIES—GRAPES

We recommend customers to order their plants by express.

**Currants, Black,** 30c. each.

**Currants, Red,** 30c. each.

**Gooseberries.** Downing (green), Houghton (red), 40c. each.

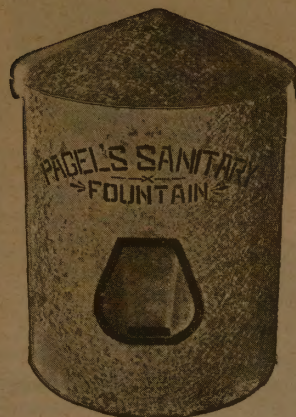
**Grape Vines.** Niagara, (white), 40c. each; Worden (black) 40c. each.



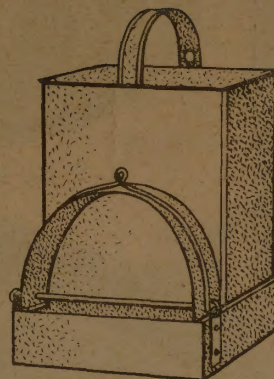
# POULTRY SUPPLIES



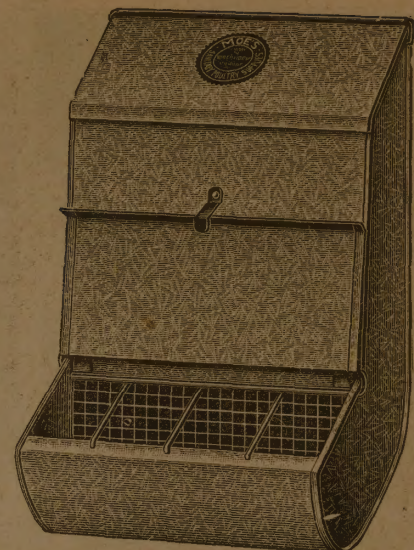
No. 201, 85c



No. 202, \$4.50 and \$5.00



No. 203, \$1.90



No. 204, \$1.25

**No. 201.—KEITH'S DRINK FOUNT FOR POULTRY.** This fount meets the wants of the most particular poultryman. It is so designed, as you will see by the cut, that the water is kept clean. It can be hung off the ground. The birds can drink without knocking their combs. It can be cleaned out easily. Holds  $1\frac{1}{2}$  gallons of water. Price, each 85c.

**No. 201A.—THE KEITH CHICK FOUNT.** Exactly the same as the "Keith" Fount, only made small in order to be used in brooders. Holds a little more than a pint. Price, each 60c.

**No. 202.—SANITARY NON-FREEZING FOUNTAIN.** This is the best constructed fount we have ever seen. The simplest, handiest and most practical fountain made. Has no lamps to trim and no valves to get out of order. Saves time, labor and worry, and costs nothing to run. It is made of heavy galvanized iron, and is similar in construction to the fireless cooker, being packed with a non-conducting material to retain the temperature of the water. The drinking cup, which contains the only water exposed, forms a connection between the outer and the inner can, and as it does not project beyond the outer can, there is no possible chance for droppings, the cause of so much disease, to get into the water. During extremely cold weather it is best to fill the fountain in the evening with hot water. This will gradually cool in the night and heat the packing, which in turn will keep the water warm when but a little is left in the fountain. In the summer fill with cold water and it will stay cool all day. One filling a day is all that is necessary. Price, 2 gallon, \$4.50; 3 gallon size, \$5.00.

**No. 203.—KEITH'S DROP BOTTOM FOUNT.** Similar to our No. 201 Fount, but has the added advantage of being more easily cleaned. Can be hung up out of the dirt and litter. Holds a little over one gallon. Price, each \$1.90.

**No. 204.—KEITH'S WASTE PROOF HOPPER.** Heavy galvanized metal for hanging on the wall. Twelve inches wide. Hinged cover on both top and front. Holds 6 lbs. mash or 11 lbs. grain. Price, each \$1.25.

**No. 205.—KEITH'S DRY FEED BOX.** Three compartments, holds about a peck. Price, each \$1.25.

**No. 206.—KEITH'S GRIT AND SHELL BOX.** It is made of galvanized iron and divided into three compartments. This box soon pays for itself in the saving of grit and shell. Every pen should have one of these hanging on the wall. Each division holds over one pint or a gallon in all. Price, each 85c.

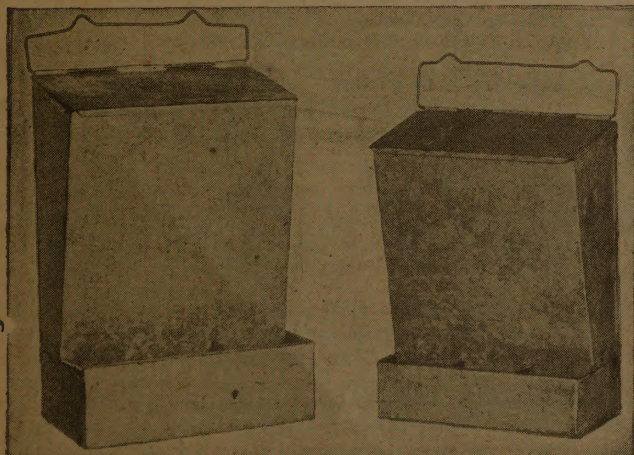
**No. 207.—THE NORWICH AUTOMATIC DRY MASH HOPPER.** Holds 20 quarts. No clogging. Operated with automatic vibration rods. No waste. Regular \$6.50 now \$5.00

**No. 208.—THE APACO POULTRY GRAIN FEEDER.** A hanging machine, adjustable regulating valve. The feeder is operated by the birds rotating the bait bar, and the grain rattles down the deflector, is scattered on the floor or in the litter in a wide even circle, and the birds are kept constantly at work and in motion while feeding. Capacity 9 quarts. Shipping weight, 5 lbs. Regular \$3.25 now \$2.50.

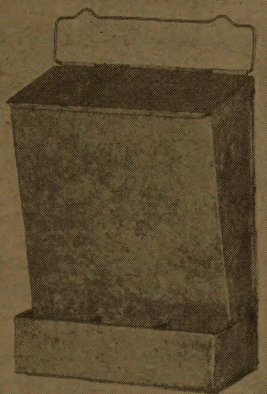
**No. 209.—BOSTON FEED HOPPERS.** Made of galvanized iron with swinging grid which follows feed, automatically preventing fowls from wasting the mash.

Large size holds 13 lbs. dry mash, Price, each \$1.00.

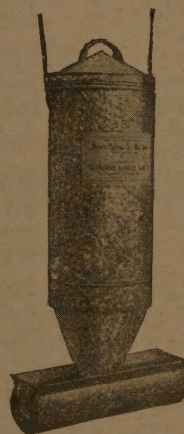
Small " " 9 " " " " " 75c.



No. 205, \$1.25



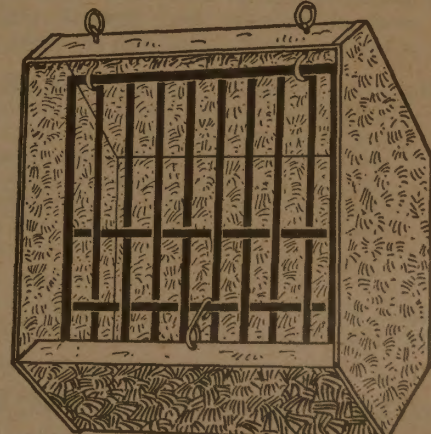
No. 206, 85c



No. 207, \$5.00



No. 208, \$2.50



No. 209 75c. and \$1.00



# FEED DEVICES, OAT SPROUTERS, THERMOMETERS



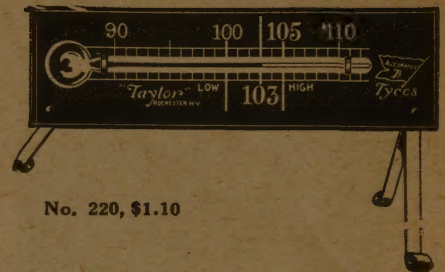
No. 210, \$1.90



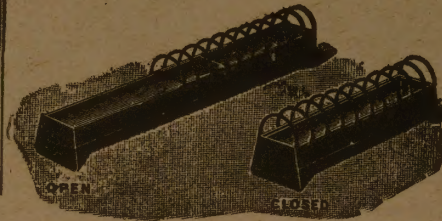
No. 211, 25c and 40c



No. 219, \$1.00



No. 220, \$1.10



No. 216, 50 and 60c.



No. 221, 85c



No. 214



No. 215, 25c



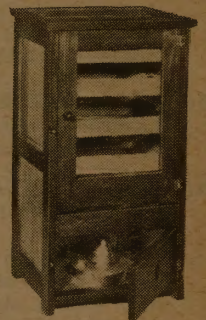
No. 218, 50c



No. 212, \$1.00



No. 217, \$3.00



No. 213.

**No. 210.—BAR-NUN DRY MASH HOPPER.** Just the hopper you have been looking for. It is inaccessible to rats or mice, yet easily accessible to poultry at all times. By its use, a constant supply of fresh, clean feed is always kept before them. The mash feeds down automatically as the poultry pick it away from the trough. Poultry cannot perch on it or scratch mash out of it. Simply hang the hopper so that the birds have to reach up to pick out of the trough. This gives a clear floor-space and prevents them from picking over the mash. 15 quart size price, \$1.90 each.

**No. 211.—ROUND BABY CHICK FEEDER.** The most convenient little feeder imaginable. Can also be used for water. 6½ inches diameter, price, 25c; 9 inches diameter, price, 40c.

**No. 212.—PIGEON FEEDER.** Separate pan for feed or water. Cover simply fits over pan. Keeps feed or water sweet and clean. Size: diameter, 7½ inches, height, 12 inches. Price, each, \$1.00.

**No. 213.—DOUBLE QUICK GRAIN SPROUTER.**—Constructed with outside wooden wall lined with insulation and an inner chamber of galvanized iron. The lamp heat passing up between the wood and the metal coming out at holes near the top, no lamp fumes entering the grain chamber. The moisture system, the ventilation system and light are all worked out so that the Sprouter is most satisfactory one. Burns coal oil.

## Prices

No. 2, for 50 to 75 hens, 12 to 14 qts., 4 trays, \$9.50.  
No. 3, for 100 to 150 hens, 24 to 28 qts., 5 trays, \$13.50.  
No. 4, for 200 to 300 hens, 48 to 56 qts., 6 trays, \$16.00.

**No. 214.—KEITH'S TROUGH FOR MASH OR MILK.** Made of heavy galvanized iron, 27 inches long by 7 inches wide. Top slides off making it easily cleaned. Price, each, \$1.25.

**No. 215.—FEED OR WATER CUPS.** For use on exhibition coops. Holds about a pint. Price, each, 25c.

**No. 216.—KEITH'S CHICK FEED TROUGH.** This trough is so constructed that the chicks cannot turn it over and they cannot get on the feed with their feet to scratch it or get it dirty. The top slides off making it easily cleaned. We carry two sizes: No. 1, 9 inches long, 2½ inches wide, price, each, 50c; No. 2, 12 inches long, 4 inches wide, price, each, 60c. If ordered by mail, add 20c for postage.

**No. 217.—BINGO EGG DATER.** Poultry fanciers will find this article very useful for dating setting eggs. They can also create a demand for first-class table eggs that will net them a greater profit by the use of this stamp. Printing limited to number of letters in illustration. Price, complete, \$3.00.

**No. 218.—SCRAPER AND CLEANER.** Made of one piece galvanized iron. No wood handle to get loose and come off. Just the thing to get in the corners when cleaning. 15 inches long. Price, each, 50c.

**THERMOMETERS.**—All Thermometers we offer bear the sterling mark of "Tycos" made by the Taylor Instrument Co. We know they are thoroughly reliable; we test each one before sending it out.

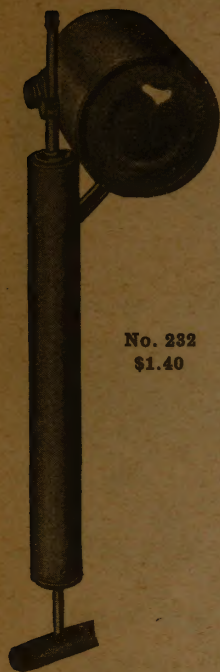
**No. 219.—INCUBATOR STYLE.** Has flange on upper edge, turned over so as to hook on wire or metal strip. You can rely on this. Nothing better made. Price, \$1.00, postpaid.

**No. 220.—INCUBATOR STYLE WITH STAND,** same as above, but has brass adjustable legs. Price, \$1.10, postpaid.

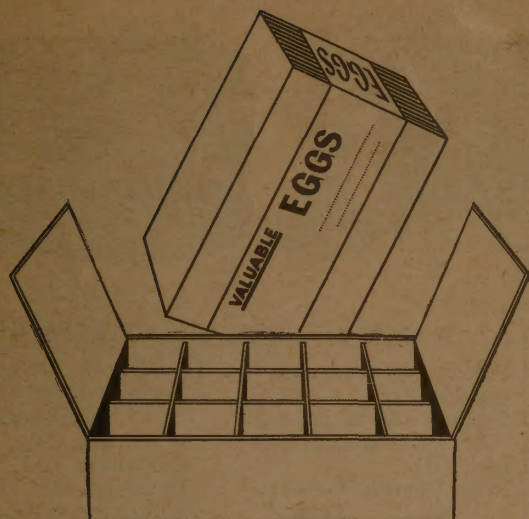
**No. 221.—BROODER THERMOMETER.** Round wood frame, white figures, 10 inches long. Price, 85c., postpaid.



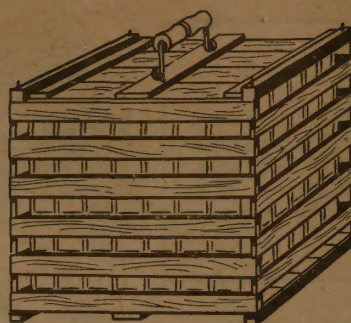
# POULTRY SUPPLIES



No. 232  
\$1.40



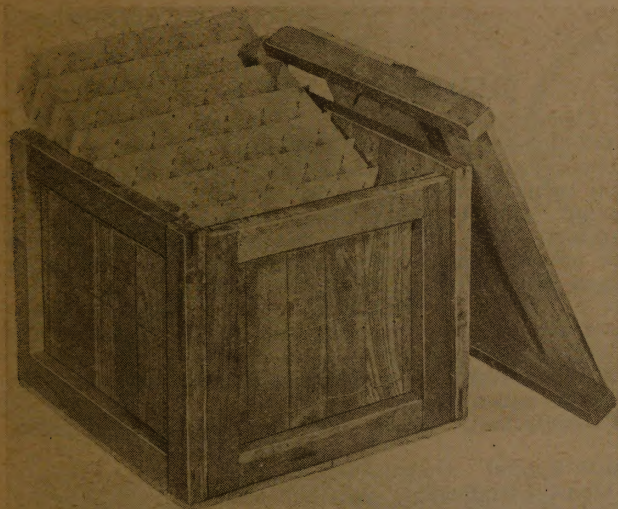
No. 222



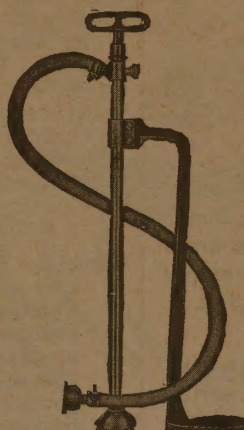
No. 225 75c.



No. 227 \$1.50



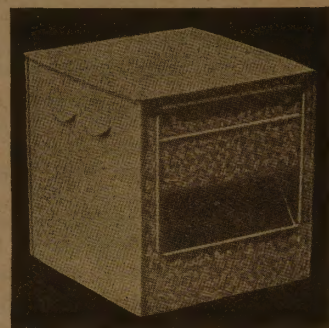
No. 224 90c. each



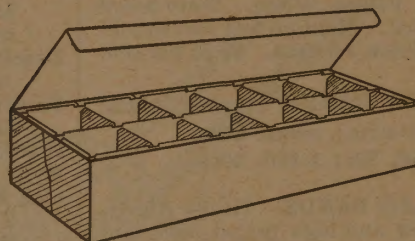
No. 231 \$4.35 each



No. 230 \$7.50 each



No. 228



No. 226



No. 229 60c. each

No. 222.—THE KEITH EGG BOX. For shipping expensive egg settings. Gives absolute security to the contents. Constructed of corrugated paper has double walls throughout. To protect the eggs from pilfering, there is a seal. This is made by a strong printed address tape. We have made a test of all egg shipping boxes and we feel confident that there is nothing better made. Box holds 15 eggs. Egg Cells 2"x2"x3". Price including seals and handles, 25c. each, \$2.00 per dozen. Price without seals or handles, 20c. each; \$1.80 per doz.

No. 223.—THE KEITH EGG BOX. Extra size. Same as above only larger. 2"x2"x4" and 1/2" cushion around walls. Price including seals 30c. each, \$3.00 per dozen.

No. 224.—KEITH'S 12 DOZEN EGG CRATE. Strongest crate made. Will last a lifetime. Price complete with fillers, 90c. each.

No. 225.—BLUE BIRD 12 DOZEN EGG CRATE. Strong but light in weight. Price, complete with fillers, 75c. each

No. 226.—CARTON—to hold one dozen eggs. These cartons will fit into an ordinary egg crate, thus making a very convenient and attractive package. Price, 100 to 400 lots, \$2.25 per 100; 500 to 1000 lots, \$2.00 per 100. Smaller lots at 40c. per doz.

FILLERS.—For Egg Crates, standard size. Price per set of 10 racks and 8 flats 30c.

No. 227.—KEITH'S FOWL SHIPPING COOP. This is by far the strongest, best and most economical shipping coop on the market. It is made from kiln-dried staves of hardwood, cut and dressed smooth. Each stave is interwoven with annealed-galvanized wire, insuring against breakage and rusting. Just the thing for shipping valuable birds to shows. Size 14"x17"x21". Weight 12 lbs. Price \$1.50 each.

No. 228.—ECONOMY TRAP NESTS. By far the most practical Trap Nests on the market. When the trap is set (see cut, simply

a folding of the two pieces of galvanized iron together) and hen enters nest, she brushes her back under it, draws it inward and upward and as soon as the bottom piece passes the horizontal position it drops, pulling the upper one with it. The hen thus trapped cannot get out. Size of nest box is 14 inches high, 14 inches deep and 13 inches long. Material used in Economy Trap Nest is all galvanized iron in the metal nest, and clear wood, dressed both sides, with galvanized iron for traps, for the wooden nests, nothing to get out of order. Price metal, single, \$3.00 each; wood, single, \$2.00 each; in sets of 3 (wood only) \$4.50 per set.

No. 229.—TRAP NEST FRONTS. Strongly made of galvanized iron, suitable for fixing on any nest box. Works similar to above. Price, 60c. each.

No. 230.—BROWN'S AUTO SPRAY No. 1. This is the most satisfactory compressed air spray pump on the market. It consists of a 4-gallon reservoir made of galvanized steel. The patented stop cock is one of the best features. One of these should be on every farm. Very handy for spraying potatoes, berry bushes, vegetables, hen houses, stables, and animals. Price, galvanized steel tank, \$7.50. Brass Tank, \$10.00.

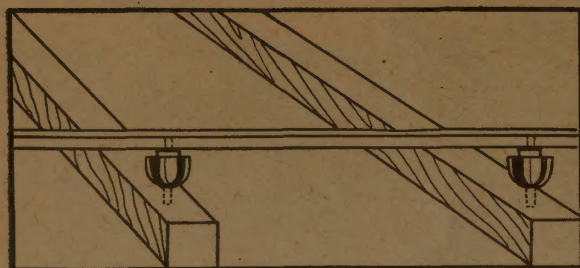
No. 231.—EUREKA BRASS BUCKET SPRAY PUMP. Made of heavy brass with malleable iron castings. This pump will stand up to hard work. Its simple sturdy construction makes it very satisfactory for spraying trees, plants, and applying white-wash and disinfectants.

Two interchangeable brass nozzles also coarse spray or stream. Double air chamber makes possible a constant heavy pressure with very little exertion. We think this is the best of its kind. Price \$4.35.

No. 232.—EUREKA CONTINUOUS SPRAYER. All Brass. One quart size. We recommend this sprayer. Price \$1.40.



# LEG BANDS, REMEDIES AND INCUBATORS



No. 234. 50c a pair



No. 235



No. 236



No. 233

**No. 233.—VERMIN PROOF PERCH OR ROOST SUPPORT.** This is a heavy iron bracket cast in one piece and when screwed to the wall will support a heavy roost filled with fowls. This support is made with a cup to hold a supply of disinfectant, and as the pin holding the roost prevents it from touching the cup, all vermin is prevented from getting upon the roost. Price, per pair, 50c.

**No. 234.—VERMIN PROOF PERCH OR ROOST SUPPORT.** An iron cup to hold disinfectant, with centre pin to support roost. Price, per pair, 35c.

## LEG BANDS FOR CHICKS CHICKENS GEESE TURKEYS



**SINGLE SPIRAL COLORED.** Celluloid. Five colors Red, Blue, Yellow, Green, Pink. Mention first and second choice of colors. State breed you require them for. Price, 1c. each. 90c. per 100.



COLOR  
CELLULOID  
CIRCLET  
RINGS

**THREE SPIRAL COLORED.** Celluloid Leg Bands Put up in colors and sizes as above. State breed you require them for. Mention first and second choice of colors. Price, 2c. each. \$1.75 per 100.



**RIBBON NUMBERED CELLULOID BANDS** for trap nest work. Strong, light, easy to put on and can't come off. Numbers are burned into bands and are absolutely permanent. Colors: Blue, Green, Red, Yellow, White. State breed you require them for. Mention first and second choice of colors. Price, 3c. each. \$2.25 per 100.



**ADJUSTABLE LEG BANDS.** Strong, aluminum, easily attached, secure lock. 1-25, 25c; 1-50, 50c; 1-100, 90c.



**SMITH SEALED LEG BANDS.** Heavy Aluminum. For show and high priced birds and trap nest work. No bands numbered exactly alike. Band rivetted on permanently. State breed you require them for. Price, 3c. each. \$2.00 per 100.



**PETTEY'S POULTRY PUNCH.** The best and least expensive punch on the market with which to mark your little chicks. Simple in construction and very effective. 25c. each.

**No. 235.—DANIEL'S HOT WATER INCUBATORS.** Have been on the market for a quarter of a Century and are thoroughly reliable. Above is cut of 65 egg size. Made also in 120 and 250 egg capacity, fitted with copper tanks (except the 65 egg which has the famous Armco Iron Tank).

No. 0.B., Capacity 65 eggs, Price \$16.00

No. 1.B., " 120 " " \$28.00

No. 2.B., " 250 " " \$45.00

Daniel's Patent Electric guaranteed to give perfect satisfaction

Cycle Capacity 50 " " \$12.00

Electric " 65 " " \$18.00

Write for description and directions

**No. 236.—CYCLE HATCHER INCUBATOR.** Capacity 50 eggs. Constructed of metal, except insulation. Is self-regulating, requires no supplied moisture and will last a lifetime. We have handled this Incubator for many years and it has given the best of satisfaction. Shipping weight, boxed, 20 lbs. Complete ready for operation, f.o.b., Toronto, \$8.50.

## POULTRY —PRATT'S REMEDIES— STOCK

Put up in 35c. and 70c. packages.

By mail add 4c. for small, 8c. for large packages.

Lice Salve.

Roup Remedy Powder

" " Tablets

Gape Remedy

Chicken Cholera Remedy

White Diarrhoea

Bronchitis Tablets

Condition

Scaly Leg Ointment.

Chickenpox and Sore Head

Remedy.

Head Lice Ointment.

By express at purchaser's expense.

Worm Powder (Horses and Cattle), 70c.

Heave, Cough and Cold cure, 75c. & \$1.50.

Veterinary Colic Cure, \$1.00 and \$2.00.

Distemper and Pink Eye Cure, \$1.00.

Liniment, 35c., 70c., \$1.40.

Liquid Spavin Remedy, 70c. and \$1.40.

Healing Ointment and Gall Cure, 35c. and 70c.

Healing Powder, 35c.

Cow Tonic, 60c., \$1.20, \$2.75, \$5.00.

Calf Tonic, 60c.

Hog Worm Powder, 70c. and \$1.40.

Bag Ointment, 50c.

Egg Preserver, (2 lb. tin, sufficient for 5 quarts), 50c.

## DISINFECTANTS

**Carbola.** The Disinfecting White Paint. Makes "clean-up" jobs easy on the thousands of poultry, dairy and breeding farms. Carbola comes in powder form and is turned into smooth flowing paint simply by mixing with hot or cold water. Apply with brush or spray pump. One pound Carbola to one gallon of water covers 200 square feet. The dry powder has no superior as a louse powder for use on poultry, horses, hogs, dogs, etc. Put up in trial packages, 50c.; 10 lb., \$1.50; 50 lb., \$5.50.

Paints

Disinfects

Dries White

Many times stronger than carbolic acid but harmless to the smallest chick or stock that licks a painted surface.

**Zenoleum Liquid Disinfectant.** Small size, 35c; pint 50c; quart, 75c; ½ gallon, \$1.25; gallon, \$2.25.

**Pratt's Liquid Disinfectant.** Quart, 70c.; ½ gallon, \$1.20; gallon, \$2.00.

**Pratt's Red Mite Special.** Quart, 70c.

**Royal Purple Liquid Disinfectant.** 35c. and 65c.

**Lice Killer Powders.**

Zenoleum. 30c; Postpaid, 50c.

Royal Purple. 30c. and 60c; Postpaid, 50c. and 90c.

Pratt's. 35c; Postpaid, 50c.

**Nest Eggs (Lime).** 30c. doz.; Postpaid, 50c. doz.

## FEEDS

**Oyster Shell.** Price per 100 \$1.50; ¼ ton or more at \$1.40 per 100 lbs.

**Oyster Shell, Chick size.** \$2.00 per 100 lbs.

**Crystal Grit.** Price, 100 lbs., \$1.00; ¼ ton or more at 80c. per 100 lbs.

**Crystal Grit, Chick size.** \$1.00 per 100 lbs.

**Feather Brand Scratch Feed.** \$2.50 per 100 lbs.

**Chick Feed, Purina.** \$3.50 per 100 lbs.

**Chick Feed, H-O Steam-Cooked.** 10 lbs., 60c; 50 lbs., \$2.75.

**Chowder, Purina Laying Meal.** 50 lbs., \$1.75; 100 lbs., \$3.40.

**Laying Meal, Caldwell's.** 50 lbs. \$1.75; 100 lbs., \$3.40.

**Blatchford's Fill-the-Basket Egg Mash.** 25 lb. bag, \$1.15.

**Beef Scrap.** 60% Protein, 10c. per lb; \$7.50 per 100 lbs.

**Beef Meal.** 60% Protein, 10c. per lb; \$6.00 per 100 lbs.

**Alfalfa Meal.** 50 lbs., \$1.60; \$3.00 per 100 lbs.

**Bone Meal.** 5c. per lb; \$4.00 per 100 lbs.

**Bone Granulated.** 5c. per lb; \$4.00 per 100 lbs.

**Poultry Mustard.** 6 lb. carton for 50c.

**Sunflower.** 15c. per lb; \$9.00 per 100 lbs.

**Flax Seed.** 10c. per lb; \$6.00 per 100 lbs.

**Flax Meal.** Price, 10c. per lb; \$6.50 per 100 lbs.

**Mangels.** \$1.25 per 100 lbs.

## PIGEON FEED

**Pigeon Grit, (Broschkowsky's Health Grit).** \$3.50 per 100 lbs.

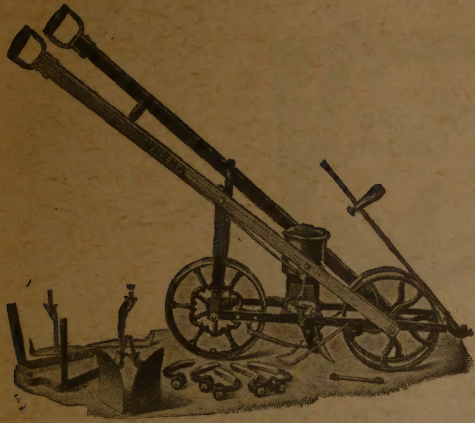
**Pigeon Mixture, (Wheat, Peas, Maize, Tares, etc.).** \$5.00 per 100 lbs.

**Black Tares.** 10c. per lb; \$8.00 per 100 lbs.

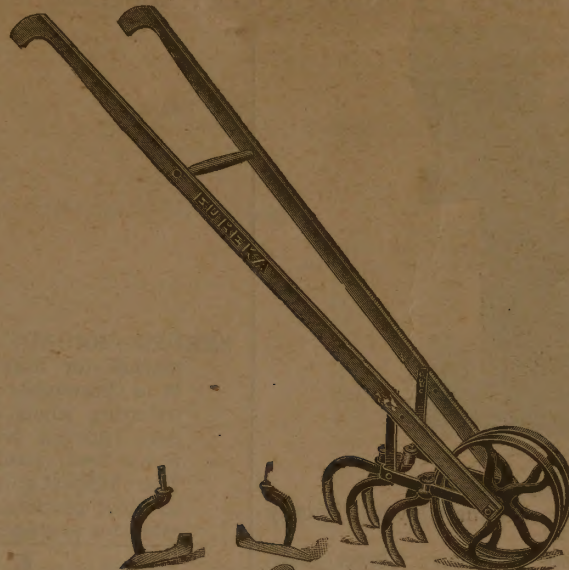
**Kaffir Corn, Small Peas, Goose Wheat.** 4c. per lb.



# CULTIVATORS, SEEDERS, PRUNING KNIVES, LAWN ROLLERS



No. 46



No. 47



No. 206



No. 48



No. 50

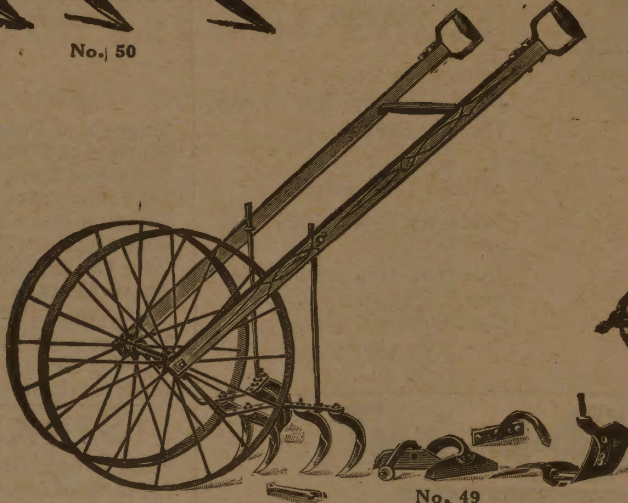


No. 51

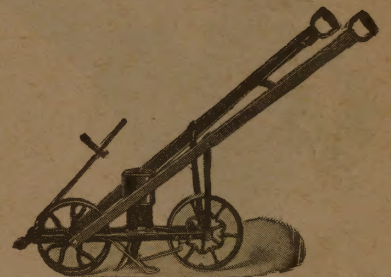


REVERSE SIDE

No. 52



No. 49



No. 45

No. 45.—EUREKA No. 1 SEED DRILL. Will sow all kinds of Garden seed in rows or hills far more rapidly, evenly, and economically than is possible by hand or other means. Weight packed 50 lbs. Price \$11.00.

No. 46.—EUREKA No. 2 COMBINATION SEED DRILL AND CULTIVATOR. The addition of another light steel frame and our adjustable plows, hoes and cultivator teeth to the above drill makes a most complete equipment.

This outfit gives the Gardener: A Complete Seed Drill; a Complete Hill Dropping Seeder; a Two Wheel Plow; a Two Wheel Hoe; a Two Wheel Five Tooth Cultivator.

The change from Seed Drill to Cultivator or vice versa can be easily and quickly made. Weight packed, 65 lbs. Price, \$13.00

No. 47.—EUREKA TWO WHEEL CULTIVATOR. This is the same cultivator as is made from the No. 2 Combination, and is a complete two wheel cultivator. Price each, \$6.00.

No. 48.—EUREKA No. 8 SINGLE WHEEL GARDEN CULTIVATOR. Large iron wheel 24 inches diameter, 1½ inch tire, three cultivator teeth, two hoes, a right hand land slide plow and wrench. The tool is shown ready to cultivate. Turn it over and it is ready as a hoe, or remove the hoes and attach the plow and you have a plow, which will turn and cover a deep furrow. Price, \$7.50.

No. 49.—EUREKA No. 10 CULTIVATOR. Similar to No. 8, only there are two large wheels, with an arch so that one can cultivate over the row or between the rows; with No. 8 you can only cultivate between the rows. Price, complete, \$8.50.

No. 50.—THE "BUCO" GARDEN CULTIVATOR. Long handle. For preparing soil, cultivating, weeding and cleaning, there is no hand tool equal to it. A great labor-saver. Price, each, \$1.25.

No. 51.—NORCROSS CULTIVATOR. Similar to above, only three prongs. Price, \$1.00.

No. 52.—PRUNING KNIFE. This two hand pruning shear is strong and will stand up to hard work. Made by Brades, England. Best material. Handles 20 inches, weight 3 lbs., \$4.50. Pruning Knife. Single hand; Garden and orchard work, \$1.75.

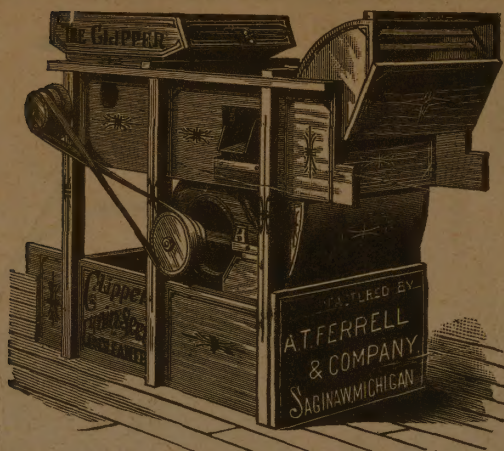
No. 206.—LAWN ROLLER. One Section Water-Weight Roller. Made of steel, cannot possibly leak. They are made with roller bearing axles Outer edge rounded. Turns easy, no cutting lawn.

| No. | Diameter<br>Inches | Length<br>Inches | Weight<br>empty | Weight<br>filled with<br>water | Weight<br>filled with<br>sand | Price   |
|-----|--------------------|------------------|-----------------|--------------------------------|-------------------------------|---------|
| 206 | 18                 | 24               | 75              | 300                            | 500                           | \$16.50 |
| 207 | 24                 | 24               | 125             | 500                            | 800                           | \$21.50 |
| 210 | 24                 | 32               | 140             | 650                            | 1000                          | \$24.50 |



# HAND FANNING MILL—"THE CLIPPER"

CAN BE DRIVEN BY POWER. A POWER PULLEY SUPPLIED FREE FOR NO. 1 AND NO. 2



## Hand Power Grain and Seed Cleaner

**No. 1 Clipper.** We recommend this mill for cleaning Clover, Timothy Seed and Seed Grain.

Capacity—Seed Grain, 20 bushels per hour; Clover Seed, 10 bushels per hour.

Size of screens, 19x29 inches. One wire and nine perforated zinc screens equipped with spreading boards furnished with each cleaner. Shipping weight, 150 pounds. Price, \$50.00.

**The No. 2 Clipper** is used almost altogether for cleaning clover and grass seeds. Its capacity is 15 bushels per hour. Price, Toronto, \$60.00.



## LOCKED PLANT BAND

STRONG MAPLE VENEER

### Size 1.

2 1/4" x 2 1/4" x 3" deep.

Price, \$5.00 per 1,000; 75c. per 100.

### Size 2.

3 1/4" x 3 1/2" x 3 1/2" deep.

Price, \$5.50 per 1000; 75c. per 100.

Just the thing for Tomatoes, Peppers, Cabbage, Cauliflowers.

PLANTS

# STIM-©-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office.

Stim-U-Plant Tablets have a guaranteed analysis of 11 1/2 per cent. nitrogen; 12 per cent. phosphoric acid; and 15 per cent. potash, all water soluble and immediately available for plant food.

Add To The Soil As Needed

Price, trial size, 10 tablets, 25c; small size, 30 tablets, 35c; medium size, 100 tablets, 75c.

PLANT FOOD IN TABLET FORM

# FERTABS

## PILLS FOR PLANTS.

This fertilizer, put up in pill form, is the most highly concentrated one produced and contains all the elements necessary to plant life in correct proportions

Size A, enough for 500 plants, \$1.50  
" B, " " 200 " 75c.  
" C, " " 50 " 25c.



**SEEDER—BROADCAST CYCLONE.** This seeder has been on the market for many years. We think it the most satisfactory. It is thoroughly reliable. It has a pressed tin, four flanged distributing wheel and lathe centered gearings, making it a very easy running seeder. Accurate gauge for all seeds and grain. Force feed, steel frame, hand hole shield. Price each, \$2.25. The cheapest carriage generally is by express. This would be 40c. to most places in Ontario, but out of the way places, add 60c. extra for postage.

## FERTILIZERS

|                                                               | Per 5 lbs. | Per 100 lbs. | Per Ton f.o.b. Norwich, Ont. |
|---------------------------------------------------------------|------------|--------------|------------------------------|
| Early Vegetable Fertilizer. 5 nitrogen, 10 Phos. acid.....    | \$0.30     | \$4.00       | \$41.00                      |
| Uneda Plant Food Garden Truck, 4 nitrogen, 8 phos.; 4 potash  | .30        | 4.00         | 40.00                        |
| High Grade, for potatoes. 2 nitrogen, 8 phos., 10 potash..... | .30        | 4.00         | 40.00                        |
| Complete Fertilizer. 2 nitrogen, 8 phos., 4 potash.....       | .30        | 3.50         | 35.00                        |
| General Crop. 2 nitrogen, 10 phos., 2 potash.....             | .30        | 3.50         | 35.00                        |
| Farmer's Choice 2 nitrogen, 8 phos., 2 potash.....            | .30        | 3.25         | 32.00                        |

## FERTILIZER MATERIAL

|                              | Per 5 lbs. | Per 100 lbs. | Per Ton f.o.b. Norwich, Ont. |
|------------------------------|------------|--------------|------------------------------|
| Sulphate of Potash, 48%..... | 50c.       | \$5.50       | \$63.00                      |
| Muriate of Potash 48%.....   | 50c.       | 5.00         | 53.00                        |
| Nitrate of Soda 15%.....     | 50c.       | 7.00         | 80.00                        |
| Acid Phosphate 16%.....      | 25c.       | 3.00         | 27.00                        |
| Steamed Bone Meal.....       | 40c.       | 4.50         | 45.00                        |
| Steamed Bone Flour.....      | 40c.       | 5.00         | 50.00                        |
| Pure Ground Blood.....       | 50c.       | 6.00         | 70.00                        |
| Sheep Manure.....            |            | 2.75         | 37.00                        |

Apply at the rate of 300 lbs. to 1000 lbs. per acre. (1 acre, about 200 feet x 200 feet) according to crop and condition of the soil.

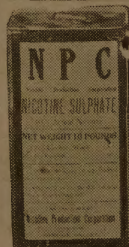
**For Lawns.** Sprinkle at rate of 1 lb. to each three or four square yards, early in the spring and just before the hot weather commences

## SPRAY MATERIAL

Present Prices.

No Freight Allowed

Paris Green, (Insecticide). Price, 1/2 lb. tin, 50c; 1 lb. tin, 70c.  
Arsenate of Lead Paste, (Insecticide). 2 to 3 lbs. to 50 gallons of water. Price, 1 lb, 40c; 5 lbs, \$1.80; 25 lbs, \$7.50.  
Arsenate of Lead Powder, (Insecticide). 1 lb. to 50 gallons of water. Price, 1 lb, 50c; 5 lbs, \$2.75; 10 lbs, \$5.00.  
Lime Sulphur Powder, (Fungicide). Summer Spray, 3 lbs. to 50 gallons of water. Dormant Spray, 10 lbs. to 50 gallons of water. Price, 1 lb, 45c; 5 lbs, \$1.70; 10 lbs, \$2.75.  
Bordeau Mixture, (Fungicide). 1 lb. to 4 gallons of water. Price, 1 lb, 40c; 5 lbs, \$1.75; 10 lbs, \$3.50.  
Smith's Hexpo, (dry powdered). An efficient combined insecticide and fungicide. Has the insect destroying properties of Arsenate of Lead, and the fungus preventative qualities of Boreau mixture. Price, 1/2 lb, 30c; 1 lb, 60c.  
Blighty Burgundy Mixture for potato blight. Price, 25c. per lb., \$20.00 per 100 lbs. 1 acre, 20 lbs Blighty, 120 gallons water.



## N. P. C.

**Nicotine Sulphate.** 40% actual Nicotine. A standard spray for killing aphids, thrips, leaf-hopper and similar sucking insects. Dilute 2 teaspoonfuls to 1 gallon water. Price, 1 oz. 50c.; 1/2 lb. \$1.50.



# FREIGHT RATES

We are not prepaying freight this year. You will find tabulated below rates of freight from Toronto to leading points here and there. For calculating cost of freight select the nearest station to you mentioned on the list.

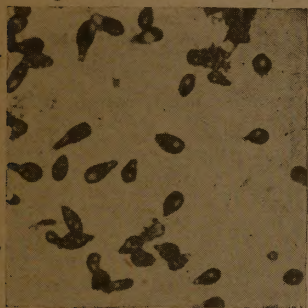
Rates of freight are quoted per 100 lbs., on Grain and Clover seeds in less than car lots from Toronto to points mentioned. The minimum charge on any shipment is 80c.

This will enable buyers to estimate cost of delivery fairly accurately.

If your station is a Flag Station, or for some other reason you want the freight prepaid, just calculate the freight by selecting the nearest station to you mentioned below and include the amount in your remittance.

If you desire large quantities at delivered prices, don't fail to write us.

| To Points in Western and South-Western Ontario              |       | On Clovers           |              | To Points in Northern Ontario        |       | On Clovers           |              | To Points in Province of Quebec                                           |       | On Clovers           |              |
|-------------------------------------------------------------|-------|----------------------|--------------|--------------------------------------|-------|----------------------|--------------|---------------------------------------------------------------------------|-------|----------------------|--------------|
|                                                             |       | On Grain and Timothy | per 100 lbs. |                                      |       | On Grain and Timothy | per 100 lbs. |                                                                           |       | On Grain and Timothy | per 100 lbs. |
| Brampton                                                    | 18½c. | 28c.                 |              | New Liskeard                         | 65½c. | 1.01½c.              |              | Montreal                                                                  | 58½c. | 69c.                 |              |
| Georgetown                                                  | 20½   | 31                   |              | Englehart                            | 65½   | 1.01½                |              | Sherbrooke                                                                | 67½   | 80                   |              |
| Guelph                                                      | 24    | 36                   |              | Cochrane                             | 72½   | 1.12½                |              | St. Hyacinthe                                                             | 61½   | 74                   |              |
| Woodstock                                                   | 31    | 46½                  |              | Hearst                               | 72½   | 1.36                 |              | Farnham                                                                   | 61½   | 74                   |              |
| Kitchener                                                   | 28    | 42½                  |              | Grant                                | 95½   | 1.50                 |              | Three Rivers                                                              | 67½   | 80                   |              |
| Stratford                                                   | 31    | 46½                  |              | Superior Junction                    | 89    | 1.55                 |              | Quebec                                                                    | 69    | 81½                  |              |
| St. Mary's                                                  | 31    | 47                   |              | Minaki                               | 98½   | 1.73                 |              | Riviere du Loup                                                           | 78    | 92½                  |              |
| London                                                      | 31    | 49                   |              | Sudbury                              | 47½   | 74                   |              | Chambord                                                                  | 96    | 1.14                 |              |
| Chatham                                                     | 36    | 58½                  |              | Oba                                  | 71    | 1.25                 |              | Chicoutimi                                                                | 97½   | 1.18                 |              |
| Windsor                                                     | 36    | 58½                  |              | Sault Ste Marie                      | 61½   | 96                   |              | Matapedia                                                                 | 85    | 1.01½                |              |
| St. Catharines                                              | 28    | 42½                  |              | Little Current                       | 71    | 1.08½                |              | Paspebiac                                                                 | 1.31  | 1.57½                |              |
| Niagara Falls                                               | 30    | 43                   |              | Fort William                         | 72½   | 1.37½                |              | Gaspé                                                                     | 1.40½ | 1.70                 |              |
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| Corn Flower.....                  | 25    |                                      |                   | Pumpkin.....                    | 21                  |
| Corn Sheller.....                 | 7     |                                      |                   |                                 |                     |
| Corn Salad.....                   | 23    |                                      |                   |                                 |                     |

BAGS (Cotton) "Empire B" or "X" Brand, \$6.00 per dozen, \$45.00 per 100

Seed OATS  
BARLEY Page 9.

Geo. Keith & Sons  
Toronto Canada



\$1.00

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A COMPLETE VEGETABLE GARDEN for \$1.00 Postpaid

WE want you to try our Garden Seeds, the results will please you. Therefore we offer you this fine collection of Vegetable and Flower Seeds at an exceptionally low price.

If you want to be sure of a good Garden it will pay you to take advantage at once of this offer.

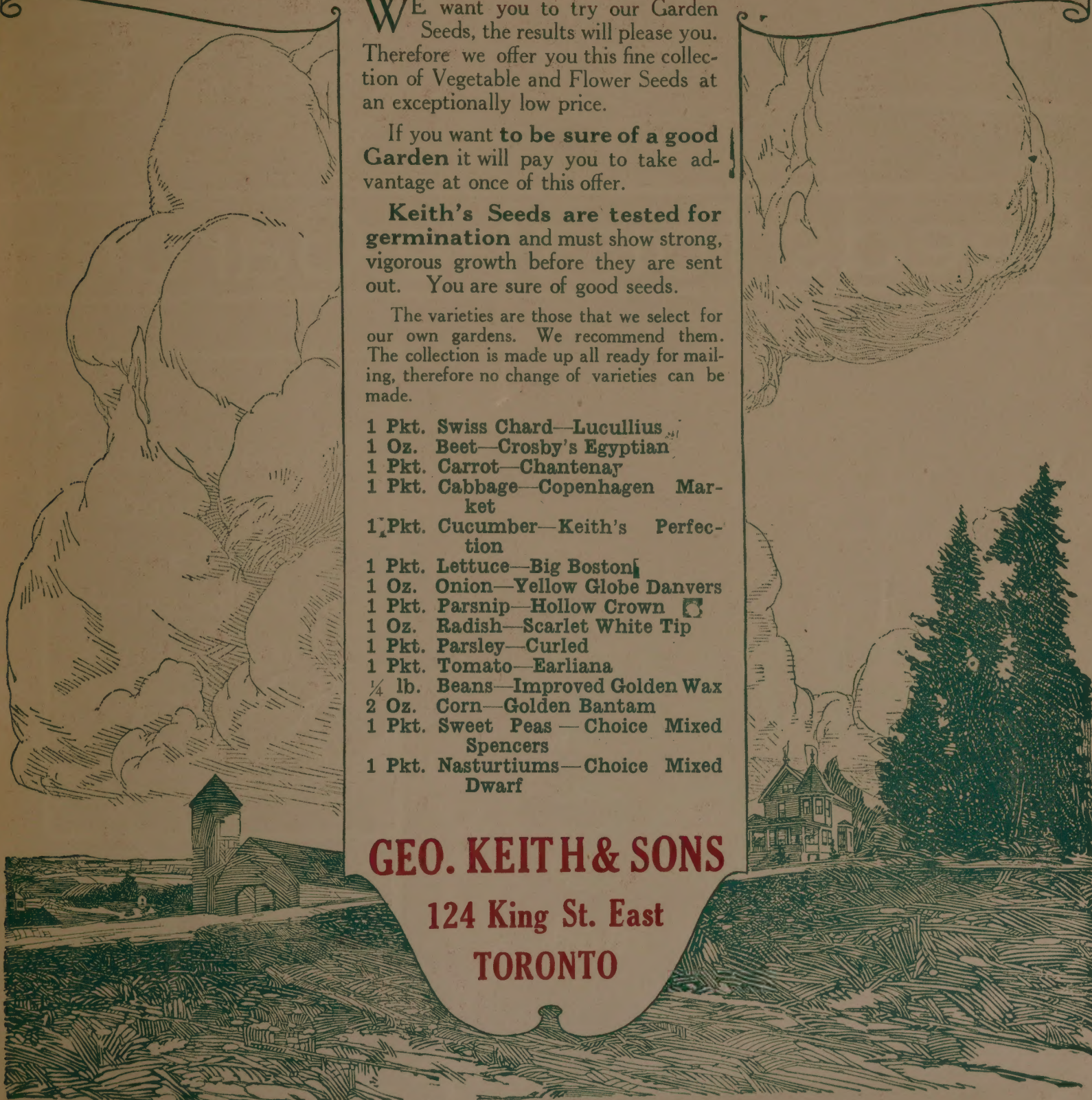
Keith's Seeds are tested for germination and must show strong, vigorous growth before they are sent out. You are sure of good seeds.

The varieties are those that we select for our own gardens. We recommend them. The collection is made up all ready for mailing, therefore no change of varieties can be made.

- 1 Pkt. Swiss Chard—Lucullius
- 1 Oz. Beet—Crosby's Egyptian
- 1 Pkt. Carrot—Chantenay
- 1 Pkt. Cabbage—Copenhagen Market
- 1 Pkt. Cucumber—Keith's Perfection
- 1 Pkt. Lettuce—Big Boston
- 1 Oz. Onion—Yellow Globe Danvers
- 1 Pkt. Parsnip—Hollow Crown
- 1 Oz. Radish—Scarlet White Tip
- 1 Pkt. Parsley—Curled
- 1 Pkt. Tomato—Earliana
- $\frac{1}{4}$  lb. Beans—Improved Golden Wax
- 2 Oz. Corn—Golden Bantam
- 1 Pkt. Sweet Peas—Choice Mixed Spencers
- 1 Pkt. Nasturtiums—Choice Mixed Dwarf

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Bulbs  
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Sprayers  
Fertilizers

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